

## Lipoprotein Lipase Human Recombinant, HEK

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| <b>Item Number</b>                       | rAP-1259                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>                          | Lipoprotein lipase, LPL, LIPD, HDLCQ11.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>                       | The Recombinant Human LPL produced in HEK293 cell line has a molecular mass of 51.8kDa containing 461 amino acid residues of the human LPL (Ala28-Gly475, variant Asn > Ser318) and fused to a 13 a.a. Flag-tag at N-terminus.                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Uniprot Accession Number</b>          | P06858                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Amino Acid Sequence</b>               | HVDYKDDDDK PAGADQRRDF IDIESKFALR TPEDTAEDTC HLIPGVAESV ATCHFNNHSSK TFMVI-HGWTV TGMYESWVVK ADQRRDF IDIESKFALR TPEDTAEDTC HLIPGVAESV ATCHFNNHSSK TFMVI-HGWTV TGMYESWVVK LVAALYKREP DSNVIVVDWL SRAQEHYPVS AGYTKLVGQD VARFINWMEE EFNYPLDNVH LLGYSLGAHA AGIAGSLTNK KVNRTGLDP AGPNFEYAEA PSRLSPDDAD FVDVLHT-FTR GSPGRSIGIQ KPVGHVDIYP NGGTFQPGCN IGEAIRVIAE RGLGDVDQLV KCSHERSIHL FIDSLNNEEN PSKAYRCSSK EAFEKGLCLS CRKNRCNNLG YEISKVRAKR SSKMYLKTRS QMPYK-VFHYQ VKIHFSGTES ETHNQAFEI SLYGTVAESE NIPFTLPEVS TNKTYSFLIY TEVDIGELLM LKLK-WKSDSY FSWSDWWSSP GFAIQKIRVK AGETQKKVIF CSREKVSHLQ KGKAPAVFVK CHDKSLNKKS |
| <b>Source</b>                            | HEK293 (Human Embryonic Kidney cell line).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Physical Appearance and Stability</b> | Filtered white lyophilized powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.                                                                                                                                                                                                                                                                                                                  |
| <b>Formulation and Purity</b>            | LPL was filtered (0.4 µm) and lyophilized from 0.5mg/ml in 20mM Tris buffer and 50mM NaCl, pH 7.5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Application</b>                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Solubility</b>                        | It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it                                                                                                                                                                                                                                                                                                                                           |
| <b>Biological Activity</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**