

## Arginase, Liver Human Recombinant

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| <b>Item Number</b>                       | rAP-1395  |
| <b>Synonyms</b>                          | EC 3.5.3.1, Arginase 1, Type I Arginase, Liver-Type Arginase.   |
| <b>Description</b>                       | ARG1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 330 amino acids (1-322a.a.) and having a molecular mass of 35.8kDa. ARG1 protein is fused to an 8 amino acid His tag at C-terminus and is purified by standard chromatography.  |
| <b>Uniprot Accession Number</b>          | P05089  |
| <b>Amino Acid Sequence</b>               | MSAKSRTIGI IGAPFSKGQP RGGVEEGPTV LRKAGLLEKL KEQECDVKDY GDLPFADIPN DSPFQIVKNP<br>RSVGKASEQL AGKVAEVKKK GRISLVLGDD HSLAIGSISG HARVHPDLGV IWVDAHTDIN TPLTTTSGNL<br>HGQPVSFLLK ELKGKIPDVP GFSWVTPCIS AKDIVYIGLR DVDPGEHYIL KTLGIKYFSM TEVDRLGIGK<br>VMEETLSYLL GRKKRPIHLS FDVDGLDPSF TPATGTPVVG GLTYREGLYI TEEIYKTGLL SGLDIMEVNP<br>SLGKTPEEVT RTVNTAVAIT LACFGLAREG NHKPIDYLNPKLEHHHHHH. |
| <b>Source</b>                            | Escherichia Coli.   |
| <b>Physical Appearance and Stability</b> | Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.   |
| <b>Formulation and Purity</b>            | ARG1 Human protein solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 2mM DTT, 0.1M NaCl & 20% glycerol. Greater than 85% as determined by SDS-PAGE.  |
| <b>Application</b>                       |   |
| <b>Solubility</b>                        |   |
| <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**