

## Regenerating Islet-Derived 3 Alpha Human Recombinant

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| <b>Item Number</b>                       | rAP-4632                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>                          | Regenerating islet-derived protein 3 alpha, Reg III-alpha, Pancreatitis-associated protein 1, REG3A, HIP, PAP, PAP1, REG3, INGAP, PAP-H, PBCGF, REG-III.                                                                                                                                               |
| <b>Description</b>                       | The Recombinant Human REG3A protein is produced with N-terminal fusion of His Tag. The REG3A His - Tagged Fusion Protein is an 18.4 kDa protein containing 149 amino acid residues of the Human REG3A and 16 additional amino acid residues- His Tag (underlined).                                     |
| <b>Uniprot Accession Number</b>          | Q06141                                                                                                                                                                                                                                                                                                 |
| <b>Amino Acid Sequence</b>               | MRGSHHHHHH GMASHMEEPQ RELPSARIRC PKGSKAYGSH CYALFLSPKS WTDADLACQK RPSGN-LVSVL SGAEGSFVSS LVKSGNSYS YVWIGLHDPT QGTEPNGEW EWSSSDVMNY FAWERNPSTI SSPGHCASLS RSTAFLRWKD YNCNVRLPYV CKFTD.                                                                                                                  |
| <b>Source</b>                            | Escherichia Coli.                                                                                                                                                                                                                                                                                      |
| <b>Physical Appearance and Stability</b> | Filtered White lyophilized (freeze-dried) 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>            | Filtered (0.4µm) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4. Greater than 95.0% as determined by SDS-PAGE.                                                                                                                                                                            |
| <b>Application</b>                       | Western blotting, ELISA.                                                                                                                                                                                                                                                                               |
| <b>Solubility</b>                        | It is recommended to add 0.1M Acetate buffer pH-4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to                                         |
| <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**