

## Apolipoprotein A-V Human Recombinant

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| <b>Item Number</b>                       | rAP-0328                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>                          | Apolipoprotein A-V, Apo-AV, ApoA-V, Apolipoprotein A5, Regeneration-associated protein 3, APOA5, RAP3, APOAV.                                                                                                                                                                                                                                                    |
| <b>Description</b>                       | APOA5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 366 amino acids (24-366 a.a.) and having a molecular mass of 41.3kDa. APOA5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.                                                                        |
| <b>Uniprot Accession Number</b>          | Q6Q788                                                                                                                                                                                                                                                                                                                                                           |
| <b>Amino Acid Sequence</b>               | MGSSHHHHHH SSGLVPRGSH MGSRKGFWDY FSQTSGDKGR VEQIHQQKMA REPATLKDSL<br>EQDLNNMNKF LEKLRPLSGS EAPRLQDPV GMRRQLQEEL EEVKARLQPY MAEAHELVGW NLEG-<br>LRQQLK PYTMDLMEQV ALRVQELQEQ LRVVGEDTKA QLLGGVDEAW ALLQGLQSRV VHHTGRFKEL<br>FHPYAESLVS GIGRHVQELH RSVAPHAPAS PARLSRCVQV LSRKLTAKK ALHARIQQNL<br>DQLREELSRA FAGTGTEEGA GPDPQMLSEE VRQLQAQFRQ DTYLQIAAFT RAIDQETEEV |
| <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>            | APOA5 protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea. Greater than 85.0% 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**