

Recombinant Human APOC2 Protein, His&GST-tagged

Cat. No. APOC2-221H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human APOC2 Protein (Asp29-Glu101) with N-His&GST tag was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Asp29-Glu101 |
| Description | This gene encodes a lipid-binding protein belonging to the apolipoprotein gene family. The protein is secreted in plasma where it is a component of very low density lipoprotein. This protein activates the enzyme lipoprotein lipase, which hydrolyzes triglycerides and thus provides free fatty acids for cells. Mutations in this gene cause hyperlipoproteinemia type IB, characterized by hypertriglyceridemia, xanthomas, and increased risk of pancreatitis and early atherosclerosis. This gene is present in a cluster with other related apolipoprotein genes on chromosome 19. Naturally occurring read-through transcription exists between this gene and the neighboring upstream apolipoprotein C-IV (APOC4) gene. |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 38.2 kDa Accurate Molecular Mass: 41 kDa |
| Purity | > 90% |

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| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |
| Stability | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| Storage Buffer | PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

GENE INFORMATION

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|------------------------|---|
| Gene Name | APOC2 apolipoprotein C-II [Homo sapiens (human)] |
| Official Symbol | APOC2 |
| Synonyms | APOC2; apolipoprotein C-II; apolipoprotein C2; APO-CII; APOC-II; MGC75082 |
| Gene ID | 344 |
| mRNA Refseq | NM_000483 |
| Protein Refseq | NP_000474 |
| MIM | 608083 |
| UniProt ID | P02655 |

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