

Recombinant Human APOC2 Protein, His&GST-tagged

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

SPECIFICATION

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

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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