

Recombinant Human APOC2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. APOC2-1776H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	APOC2 MS Standard C13 and N15-labeled recombinant protein (NP_000474) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	11.2 kDa
AA Sequence	MGTRLLPALFLVLLVLFGEVQGTQQPQQDEMPSPTLLTQVKESLSSYWESAKTAAQ NLYEKTYLPAVDEKLRDLYSKSTAAMSTYTGIFTDQVLSVLKGEETRTRPLEQKLISE EDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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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