

Recombinant Human APOA2, His-tagged

Cat. No. APOA2-95H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Apolipoprotein A-II/ApoA2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gln24-Gln100) of Human APOA2 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	Human Cells
ProteinLength	24-100 a.a.
Description	This gene encodes apolipoprotein (apo-) A-II, which is the second most abundant protein of the high density lipoprotein particles. The protein is found in plasma as a monomer, homodimer, or heterodimer with apolipoprotein D. Defects in this gene may result in apolipoprotein A-II deficiency or hypercholesterolemia.
AA Sequence	QAKEPCVESLVSQYFQTVTDYGKDLMEKVKSPQLQAEAKSYFEKSKEQLTPLIKKAG TELVNFLS YFVELGTQPATQVDHHHHHH
Endotoxin	Less than 0.1 ng/g (1 IEU/g).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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Shipping The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	APOA2 apolipoprotein A-II [Homo sapiens (human)]
Official Symbol	APOA2
Synonyms	APOA2; apolipoprotein A-II; apoAII; Apo-AII; ApoA-II; apolipoprotein A-II; apolipoprotein A2; OTTHUMP00000032244; Apolipoprotein A-II; Apolipoprotein A2
Gene ID	336
mRNA Refseq	NM_001643
Protein Refseq	NP_001634
MIM	107670
UniProt ID	P02652
Chromosome Location	1q23.3
Pathway	Chylomicron-mediated lipid transport; Fatty acid; Lipid digestion; Lipoprotein metabolism; Metabolism of lipids and lipoproteins; PPAR signaling pathway; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha);
Function	apolipoprotein receptor binding; cholesterol binding; contributes to cholesterol transporter activity; high-density lipoprotein particle receptor binding; lipase inhibitor

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activity; lipid binding; lipid transporter activity; phosphatidylcholine binding;
phosphatidylcholine-sterol O-acyltransferase activator activity; phospholipid binding;
protein binding; protein heterodimerization activity; protein homodimerization activity

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