Recombinant Human APOA2, GST-tagged

Cat. No. APOA2-9748H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human APOA2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-100a.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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	APOA2 apolipoprotein A-II [Homo sapiens]
Official Symbol	APOA2

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Synonyms	APOA2; apolipoprotein A-II; apolipoprotein A2; apoAII; Apo-AII; ApoA-II;
Gene ID	336
mRNA Refseq	NM_001643
Protein Refseq	NP_001634
UniProt ID	P02652
Chromosome Location	1q21-q23
Pathway	Chylomicron-mediated lipid transport, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem;
Function	apolipoprotein receptor binding; cholesterol binding; contributes_to cholesterol transporter activity; high-density lipoprotein particle binding; high-density lipoprotein particle receptor binding; lipase inhibitor activity; lipid binding; lipid transport

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