

## 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°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 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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<b>Synonyms</b>	APOA2; apolipoprotein A-II; apolipoprotein A2; apoAII; Apo-AII; ApoA-II;
<b>Gene ID</b>	<a href="#">336</a>
<b>mRNA Refseq</b>	<a href="#">NM_001643</a>
<b>Protein Refseq</b>	<a href="#">NP_001634</a>
<b>UniProt ID</b>	<a href="#">P02652</a>
<b>Chromosome Location</b>	1q21-q23
<b>Pathway</b>	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;
<b>Function</b>	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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