

## Recombinant Human APOA4, GST-tagged

Cat. No. APOA4-9749H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human APOA4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 23-396a.a.

**Description** Apolipoprotein (apo) A-IV gene contains 3 exons separated by two introns. A sequence polymorphism has been identified in the 3'UTR of the third exon. The primary translation product is a 396-residue preprotein which after proteolytic processing is secreted its primary site of synthesis, the intestine, in association with chylomicron particles. Although its precise function is not known, apo A-IV is a potent activator of lecithin-cholesterol acyltransferase in vitro.

**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** [APOA4 apolipoprotein A-IV \[ Homo sapiens \]](#)

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<b>Official Symbol</b>	APOA4
<b>Synonyms</b>	APOA4; apolipoprotein A-IV; apo-AIV; apoA-IV; apolipoprotein A4; MGC142154; MGC142156;
<b>Gene ID</b>	337
<b>mRNA Refseq</b>	NM_000482
<b>Protein Refseq</b>	NP_000473
<b>MIM</b>	107690
<b>UniProt ID</b>	P06727
<b>Chromosome Location</b>	11q23-qter
<b>Pathway</b>	Amyloids, organism-specific biosystem; Chylomicron-mediated lipid transport, organism-specific biosystem; Disease, organism-specific biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem;
<b>Function</b>	antioxidant activity; cholesterol transporter activity; copper ion binding; contributes_to eukaryotic cell surface binding; lipid binding; lipid transporter activity; phosphatidylcholine binding; phosphatidylcholine-sterol O-acyltransferase activator acti

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