

Recombinant Rat ApoA4 protein, His/GST-tagged

Cat. No. ApoA4-720R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ApoA4(2-711 aa) fused with His/GST tag at N -terminal was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Glu21~Ser391
Form	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Molecular Mass	72.4 kDa
AA Sequence	EVTSDQVANV MWDYFTQLSN NAKEAVEQLQ KTDVTQQLNT LFQDKLGNIN TYADDLQNKV VPFAVQLSGH LTKETERVRE EIQKELEDLR ANMMPHANKV SQMFGDNVQK LQEHLRPYAT DLQAQINAQT QDMKRQLTPY IQRMQTTIQD NVENLQSSMV PFANELKEKF NQNMEGLKGQ LTPRANELKA TIDQNLEDLR SRLAPLAEGV QEKLNHQMEG LAFQMKKNAE ELQTKVSTNI DQLQKNLAPL VEDVQSKLKG NTEGLQKSLE DLNKQLDQQV EVFRRAVEPL GDKFNMALVQ QMEKFRQQLG SDSDGVESHV SFLEKNLREK VSSFMSTLQK KGSPDQPLAL PLPEQVQEQQV QEQQVQPKPLE S
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Shipping	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Apoa4 apolipoprotein A-IV [Rattus norvegicus]
Official Symbol	Apoa4
Synonyms	APOA4; apolipoprotein A-IV; apolipoprotein A4; apoAIV; Apo-AIV; ApoA-IV;
Gene ID	25080
mRNA Refseq	NM_012737
Protein Refseq	NP_036869
MIM	
UniProt ID	P02651
Chromosome Location	8q22
Pathway	Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem; Statin Pathway, organism-specific biosystem;

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Vitamin digestion and absorption, organism-specific biosystem; Vitamin digestion and absorption, conserved biosystem;

Function

antioxidant activity; cholesterol transporter activity; copper ion binding; contributes_to eukaryotic cell surface binding; lipid binding; lipid binding; phosphatidylcholine binding; phosphatidylcholine-sterol O-acyltransferase activator activity; protein homodimerization activity;

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