

## Recombinant Mouse Apoe protein, His-tagged

**Cat. No.** Apoe-25M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Apoe(Glu19-Gln311) fused with His tag at C-terminal was expressed in HEK293.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	19-311 a.a.
<b>Description</b>	Apolipoprotein E (Apo-E), is a member of the apolipoprotein A1/A4/E family. APOE may function in mediating the binding, internalization, and catabolism of lipoprotein particles. It can serve as a ligand for the LDL (apo B/E) receptor and for the specific apo-E receptor (chylomicron remnant) of hepatic tissues. APOE is usually secreted in plasma. Phosphorylation sites are present in the extracellular medium.
<b>Form</b>	Supplied as a 0.2 µm filtered solution of MOPS, NaCl, CHAPS and TCEP
<b>AA Sequence</b>	EGEPEVTDQLEWQSNQPWEQALNRFWDYLRWVQTLSDQVQEELQSSQVTQELTALMEDITMTEVKA YKKELEEQLGPVAEETRARLGKEVQAAQARLGADMEDLRNRLGQYRNEVHTMLGQSTEEIRARLS THLRKMRKRLMRDAEDLQKRLAVYKAGAREGAERGVSAIRERLGPLVEQGRQRTANLGAGAAQPL RDRAQAFGDRIRGRLEE VGNQARD RLEEVRHEMEEVRSKMEEQTQQIRLQAEIFQARLKGWFPEI VEDMHRQWANLMEKI QASVATNPIITPVAQENQVDHHHHHHH*
<b>Endotoxin</b>	Less than 0.1 ng/g (1 IEU/g).

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<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
<b>Storage</b>	Store at < -20 centigrade, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Apoe apolipoprotein E [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">Apoe</a>
<b>Synonyms</b>	APOE; apolipoprotein E; apo-E; AI255918;
<b>Gene ID</b>	<a href="#">11816</a>
<b>mRNA Refseq</b>	<a href="#">NM_009696</a>
<b>Protein Refseq</b>	<a href="#">NP_033826</a>
<b>MIM</b>	
<b>UniProt ID</b>	<a href="#">P08226</a>
<b>Chromosome Location</b>	7 A3; 7 9.94 cM
<b>Pathway</b>	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Chylomicron-mediated lipid transport, organism-specific biosystem; HDL-mediated lipid transport, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem;

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**Function**

antioxidant activity; beta-amyloid binding; cholesterol transporter activity; heparin binding; identical protein binding; lipid binding; lipid transporter activity; lipoprotein particle binding; low-density lipoprotein particle receptor binding; metal chelating activity;

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