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Datasheet for ABIN7519687  
**APOE Protein (His tag)**

### Overview

Quantity:	10 µg
Target:	APOE
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APOE protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Mouse Apolipoprotein E/APOE Protein
Sequence:	EGEPEVTDQL EWQSNQPWEQ ALNRFWDYLR WVQTLSDQVQ EELQSSQVTQ ELTALMEDTM TEVKAYKKEL EEQLGPVAEE TRARLGKEVQ AAQARLGADM EDLRNRLGQY RNEVHTMLGQ STEEIRARLS THLRKMRKRL MRDAEDLQKR LAVYKAGARE GAERGVSAIR ERLGPLVEQG RQRTANLGAG AAQPLRDRAQ AFGDRIRGRL EEVGNQARDR LEEVREHMEE VRSKMEEQTQ QIRLQAEIFQ ARLKGFWEPI VEDMHRQWAN LMEKIQASVA TNPIITPVAQ ENQ
Specificity:	Glu19-Gln311
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	< 1 EU/µg of the protein by LAL method.

### Target Details

Target:	APOE
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## Target Details

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Alternative Name: Apolipoprotein E/APOE ([APOE Products](#))

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Background: Description: Apolipoprotein E (Apo-E), is a member of the apolipoprotein A1/A4/E family. ApoE is a major protein component of serum LDL, VLDL, HDL, and chylomicrons. 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.

Name: APOE, AD2, APO-E, ApoE4, LDLQC5, LPG, AI255918, Apo-E, Apoe

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Gene ID: 11816

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Pathways: [Regulation of Cell Size, Lipid Metabolism](#)

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## Application Details

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Reconstitution: Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Concentration: 0.73 mg/mL

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Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

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Storage: -20 °C, -80 °C

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Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.  
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.