

Active Recombinant Mouse ApoA1 protein, hFc-tagged

Cat. No. ApoA1-6864M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ApoA1 protein(Q00623)(Met1-Gln264), fused with hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Gln264
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	1. Measured by its binding ability in a functional ELISA.2. Immobilized mouse ApoA1 at 10 µg/mL (100 µl/well) can bind biotinylated human SCARB1, The EC50 of biotinylated human SCARB1 is 0.27 µg/mL.
Molecular Mass	The secreted recombinant mouse APOA1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 487 amino acids and has a calculated molecular mass of 55.8 kDa. As a result of glycosylation, the apparent molecular mass of rmAPOA1/Fc monomer is approximately 60 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Apoa1 apolipoprotein A-I [Mus musculus]
Official Symbol	Apoa1
Synonyms	APOA1; apolipoprotein A-I; apo-AI; apoA-I; apolipoprotein A1; Sep2; Alp-1; Ltw-1; Sep-1; Sep-2; Apoa-1; Brp-14; Lvtw-1; MGC102525;
Gene ID	11806
mRNA Refseq	NM_009692
Protein Refseq	NP_033822

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