

Apolipoprotein A-1 Recombinant Protein | APOA1 recombinant protein

Apolipoprotein A-1, 25-267aa, Human, His tag, E Coli

CATALOG # AAA48551	HOST E Coli	APPLICATIONS SDS-Page
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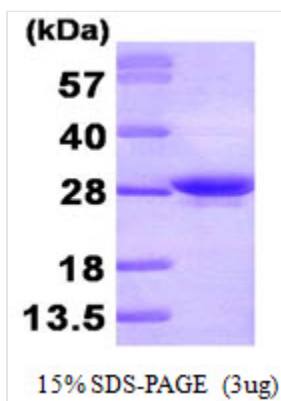
PRODUCT SYNONYMS

Apolipoprotein A-1; 25-267aa; Human; His tag; E Coli; APOA1; apolipoprotein A-I; Apolipoprotein A1; Apo-AI; ApoA-I; APOA1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MDEPPQSPWD RVKDLATVYV DVLKDSGRDY VSQFEGSALG KQLNLKLLDN WDSVTSTFSK LREQLGPVTQ EFWDNLEKET EGLRQEMSKD LEEVKAKVQP YLDDFQKKWQ EEMELYRQKV EPLRAELQEG ARQKLHELQE KLSPLGEEMR DRARAHVDAL RTHLAPYSDE LRQRLAARLE ALKENGGARL AEYHAKATEH LSTLSEKAKP ALEDLRQGLL PVLESFKVSF LSALEEYTKK LNTQ
Sequence Length	267
Applicable Applications for APOA1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for APOA1 recombinant protein	Apolipoprotein A-1, also known as APOA1, is a human protein with a specific role in lipid metabolism. It is the major protein component of high density lipoprotein (HDL) in plasma. This protein promotes cholesterol efflux from tissues to the liver for excretion. And it is a cofactor for lecithin cholesterolacyltransferase (LCAT) which is responsible for the formation of most plasma cholesteryl esters. Defects in the ApoA-1 gene are associated with HDL deficiency including Tangier disease. Recombinant human Apolipoprotein A-1, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for APOA1 recombinant protein	Metabolism
References	Wang J., et al. (2009). Int J Biol Sci. 5 (7):637-46.; Khadem-Ansari MH., et al. (2009). Singapore Med J. 50 (6):610-3;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557321
NCBI GeneID	335
NCBI Accession #	NP_000030
NCBI GenBank Nucleotide #	NM_000039.2
UniProt Accession #	P02647; Q6LDN9; Q6Q785; Q9UCS8; Q9UCT8; A8K866
Molecular Weight	30.3 kDa (264aa), confirmed by MALDI-TOF.
NCBI Official Full Name	apolipoprotein A-I isoform 1 preproprotein
NCBI Official Synonym Full Names	apolipoprotein A1
NCBI Official Symbol	APOA1
NCBI Official Synonym Symbols	apo(a)
NCBI Protein Information	apolipoprotein A-I
UniProt Protein Name	Apolipoprotein A-I
UniProt Gene Name	APOA1
UniProt Synonym Gene Names	Apo-AI; ApoA-I; ProapoA-I

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.