

APOA5 recombinant protein

APOA5, 24-366aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48845	HOST E Coli	APPLICATIONS SDS-Page
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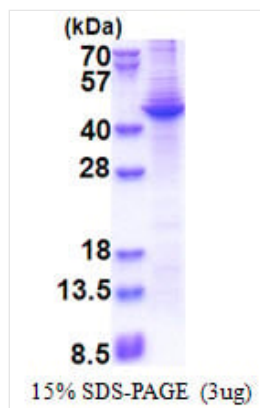
PRODUCT SYNONYMS

APOA5; 24-366aa; Human; His tag; E Coli (Denatured); Apolipoprotein A-V precursor; Apolipoprotein A-V; APOAV; RAP3; APOA5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing, 10% glycerol, 0.4M urea
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGSRKGFWDY FSQTS GDKGR VEQIHQQKMA REPATLKDSL EQDLNNMNKF LEKLRLPLSGS EAPRLPQDPV GMRRQLQEEL EEVKARLQPY MAEAHELVGW NLEGLRQQLK PYTMDLMEQV ALRVQELQEQ LRVVGEDTKA QLLGGVDEAW ALLQGLQSRV VHHTGRFKEL FHPYAESLVS GIGRHVQELH RSVAPHAPAS PARLSRCVQV LSRKLTLLKAK ALHARIQQNL DQLREELSRA FAGTGTEEGA GPDQPMLSEE VRQRLQAFRQ DTYLQIAAFT RAIDQETEEV QQQLAPPPPG HSAFAPEFQQ TDSGKVLSKL QARLDDLWED ITHSLHDQGH SHLGDP
Sequence Length	366
Applicable Applications for APOA5 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 APOA5 recombinant protein	APOA5 is an apolipoprotein that plays an important role in regulating the plasma triglyceride levels, a major risk factor for coronary artery disease. It is a component of high density lipoprotein and is highly similar to a rat protein that is upregulated in response to liver injury. Mutations in this gene have been associated with hypertriglyceridemia and hyperlipoproteinemia type 5. This gene is located proximal to the apolipoprotein gene cluster on chromosome 11q23. Alternatively spliced transcript variants encoding the same protein have been identified. Recombinant human APOA5 protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product Categories/Family for APOA5 recombinant protein	Metabolism
References	Weinberg R.B., et al. (2003) J. Biol. Chem. 278:34438-34444.

NCBI AND UNIPROT INFORMATION

NCBI GI #	63079709
NCBI GeneID	116519
NCBI Accession #	NP_443200
NCBI GenBank Nucleotide #	NM_052968.4
UniProt Accession #	Q6Q788; Q3MIK6; Q6UWK9; Q9UBJ3; B0YIV9
Molecular Weight	41.3kDa (366aa)
NCBI Official Full Name	apolipoprotein A-V
NCBI Official Synonym Full Names	apolipoprotein A5
NCBI Official Symbol	APOA5
NCBI Official Synonym Symbols	RAP3; APOAV
NCBI Protein Information	apolipoprotein A-V
UniProt Protein Name	Apolipoprotein A-V
UniProt Gene Name	APOA5
UniProt Synonym Gene Names	RAP3; Apo-AV; ApoA-V

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.