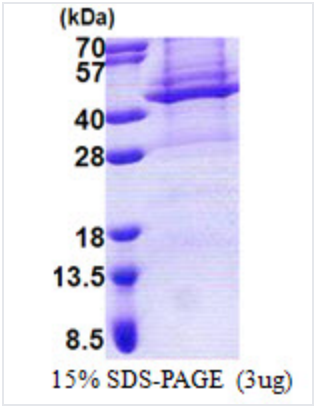
APOL4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	APOL4, Recombinant Protein
Full Product Name	APOL4, 1-348aa, Human, His tag, E Coli (Denatured)
Product Gene Name	APOL4 recombinant protein
Product Synonym Names	Apolipoprotein L4; APOL-IV; APOLIV
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGSWVQL ITSVGVQQNH PGWTVAGQFQ EKKRFTEEVI EYFQKKVSPV HLKILLTSDE AWKRFVRVAE LPREEADALY EALKNLTPYV AIEDKDMQQK EQQFREWFLK EFPQIRWKIQ ESIERLRVIA NEIEKVHRGC VIANVVSGST GILSVIGVML APFTAGLSLS ITAAGVGLGI ASATAGIASS IVENTYTRSA ELTASRLTAT STDQLEALRD ILRDITPNVL SFALDFDEAT KMIANDVHTL RRSKATVGRP LIAWRYVPIN VVETLRTRGA PTRIVRKVAR NLGKATSGVL VVLDVVNLVQ DSLDLHKGAK SESAESLRQW AQELEENLNE LTHIHQSLKA G
Host	E Coli
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 0.4M urea
Purity/Purification	> 85% by SDS-PAGE
Concentration	0.25 mg/ml (determined by Bradford assay) (lot specific)
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.
Molecular Weight	41.1 kDa (371aa)
OMIM	AY014915 mRNA
3D Structure	ModBase 3D Structure for Q9BPW4
Antigen Species	Human
Tag Information	His-tag
Product Categories/Family for APOL4 recombinant protein	Metabolism
Applications Tested/Suitable for APOL4 recombinant protein	SDS-PAGE
Application Notes for APOL4 recombinant protein	This protein is denatured. Denatured protein is most likely not the best option for functional studies. Denatured protein is better suited for Western Blot (WB) or imaging assays. Applications are user determined.
Related Product Information for APOL4 recombinant protein	APOL4 is a member of the apolipoprotein L family and may play a role in lipid exchange and transport throughout the body, as well as in reverse cholesterol transport from peripheral cells to the liver. Two transcript variants encoding two different isoforms have been found for this gene. Recombinant human APOL4 protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product References and Citations for APOL4 recombinant protein	Duchateau P.N., et al. (2001). J. Lipid Res. 42:620-630
Other Notes	Small volumes of APOL4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for APOL4 purchase	MBS205120 is a recombinant protein targeting APOL4. Also known as APOL4, 1-348aa, Human, His tag, E Coli (Denatured). Host: E Coli.



SDS-Page of APOL4 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for APOL4. It may not necessarily be applicable to this product.

NCBI GI #	19923626
NCBI GeneID	80832
NCBI Accession #	NP_085146
UniProt Primary Accession #	Q9BPW4
UniProt Secondary Accession #	Q9BQ37; Q9BXQ8
UniProt Related Accession #	Q9BPW4
GenBank Nucleotide #	NM_030643.4
NCBI Official Full Name	apolipoprotein L4 isoform 1
NCBI Official Synonym Full Names	apolipoprotein L4
NCBI Official Symbol	APOL4
NCBI Official Synonym Symbols	APOLIV; APOL-IV
UniProt Protein Name	Apolipoprotein L4
UniProt Synonym Protein Names	Apolipoprotein L-IV; ApoL-IV
Protein Family	Apolipoprotein
UniProt Gene Name	APOL4
UniProt Synonym Gene Names	ApoL-IV
NCBI Protein Information	apolipoprotein L4
NCBI Summary for APOL4	The protein encoded by this gene is a member of the apolipoprotein L family and may play a role in lipid exchange and transport throughout the body, as well as in reverse cholesterol transport from peripheral cells to the liver. Two transcript variants encoding two different isoforms have been found for this gene. Only one of the isoforms appears to be a secreted protein. [provided by RefSeq, Jul 2008]
UniProt Comments for APOL4	May play a role in lipid exchange and transport throughout the body. May participate in reverse cholesterol transport from peripheral cells to the liver ().
Research Articles on APOL4	**1.** An association of APOL1, 2 and 4 with schizophrenia was estabilised.

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