Apolipoprotein L4 Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	Apolipoprotein L4 (APOL4), Blocking Peptide
Full Product Name	Apolipoprotein L4 Immunizing Peptide
Product Gene Name	APOL4 blocking peptide
Product Synonym Names	apolipoprotein L4; APOL4; apolipoprotein L, 4; APOL-IV; APOLIV; OTTHUMP00000028937; apolipoprotein L-IV; Apolipoprotein L4; Apolipoprotein L4
Sequence	C-ENLNELTH IHQSLK
Species Reactivity	Human
Form/Format	100ug of dried peptide
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	Apolipoprotein L4 peptide (MBS428404) is used for blocking the activity of Apolipoprotein L4 antibody (MBS421696)
Molecular Weight	38,619 Da
OMIM	607254
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for APOL4 blocking peptide	MBS428404 is a blocking peptide targeting APOL4. Also known as Apolipoprotein L4 Immunizing Peptide. Reactive in Human.
Other Notes	Small volumes of APOL4 blocking peptide 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.

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_085146.2
NCBI Related Accession #	NP_663693.1
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
UniProt Entry Name	APOL4_HUMAN
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	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. Belongs to the apolipoprotein L family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Lipid-binding; Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 22q11.2-q13.2 Cellular Component: extracellular space; intracellular membrane-bound organelle Molecular Function: lipid binding Biological Process: lipid metabolic process; lipid transport; lipoprotein metabolic process Disease: Schizophrenia
Research Articles on APOL4	**1.** An association of APOL1, 2 and 4 with schizophrenia was estabilised.
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