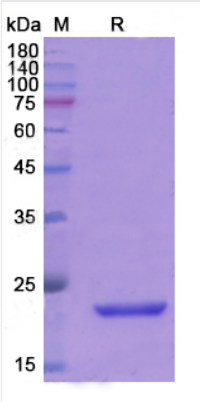
APOM Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	APOM, Recombinant Protein
Full Product Name	Recombinant Human APOM, N-His
Product Gene Name	APOM recombinant protein
Product Synonym Names	Protein G3a; NG20; ApoM; G3A; Apo-M; APOM; Apolipoprotein M
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	21,253 Da
Sequence Positions	Ala8-Asn188
Chromosome Location	Chromosome: 6; NC_000006.11 (31620187..31625987). Location: 6p21.33
OMIM	606907
3D Structure	ModBase 3D Structure for O95445
Species	Human
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for APOM recombinant protein	Recombinant Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for APOM recombinant protein	SDS-PAGE (SDS), Western Blot (WB), ELISA (EIA), Immunogen
Related Product Information for APOM recombinant protein	MBS1572734 is a recombinant protein targeting APOM. Also known as Recombinant Human APOM, N-His. Host: E coli.
Other Notes	Small volumes of APOM 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.



SDS-Page of APOM recombinant protein
SDS PAGE for recombinant Human APOM protein

ADDITIONAL DETAILS

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

NCBI GI #	371873523
NCBI GeneID	55937
NCBI Accession #	NP_001243098.1
UniProt Primary Accession #	O95445
UniProt Secondary Accession #	Q5SRP4; Q9P046; Q9UMP6; B0UX98
UniProt Related Accession #	O95445
GenBank Nucleotide #	NM_001256169.1
NCBI Official Full Name	apolipoprotein M isoform 2
NCBI Official Synonym Full Names	apolipoprotein M
NCBI Official Symbol	APOM
NCBI Official Synonym Symbols	G3a; NG20; apo-M; HSPC336
UniProt Protein Name	Apolipoprotein M
UniProt Synonym Protein Names	Protein G3a
Protein Family	Apolipoprotein
UniProt Gene Name	APOM
UniProt Synonym Gene Names	G3A; NG20; Apo-M; ApoM
UniProt Entry Name	APOM_HUMAN
NCBI Protein Information	apolipoprotein M; protein G3a; NG20-like protein; alternative name: G3a, NG20
NCBI Summary for APOM	The protein encoded by this gene is an apolipoprotein and member of the lipocalin protein family. It is found associated with high density lipoproteins and to a lesser extent with low density lipoproteins and triglyceride-rich lipoproteins. The encoded protein is secreted through the plasma membrane but remains membrane-bound, where it is involved in lipid transport. Alternate splicing results in both coding and non-coding variants of this gene. [provided by RefSeq, Jan 2012]

UniProt Comments for APOM	APOM: Probably involved in lipid transport. Can bind sphingosine-1-phosphate, myristic acid, palmitic acid and stearic acid, retinol, all-trans-retinoic acid and 9-cis-retinoic acid. Plasma protein. Expressed in liver and kidney. Belongs to the calycin superfamily. Lipocalin family. Highly divergent. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 6p21.33 Cellular Component: integral to plasma membrane Molecular Function: lipid transporter activity; antioxidant activity; phospholipid binding Biological Process: cholesterol homeostasis; reverse cholesterol transport; response to glucose stimulus; cholesterol efflux; lipoprotein metabolic process
Research Articles on APOM	**1.** Vascular endothelial growth factor downregulates apolipoprotein M expression
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Online datasheet: https://www.mybiosource.com/recombinant-protein/apom/1572734