

LRPAP1 active protein

LRPAP1 Protein, Mouse, Recombinant (His Tag)

CATALOG #
AAA258151

HOST
HEK293 Cells

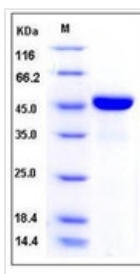
PRODUCT SYNONYMS

LRPAP1; LRPAP1 Protein; Mouse; Recombinant (His Tag); Mouse LRPAP1/RAP Protein (His Tag); AA617339 Protein; AI790446 Protein; AU042172 Protein; C77774 Protein; HBP44 Protein; RAP Protein; low density lipoprotein receptor-related protein associated protein 1; LRPAP1 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5% trehalose, 5% mannitol and 0.01% Tween80
Sequence	Gln29-Leu3 60
Species	Mouse
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized mouse LRPAP1 at 0.5ug/ml can bind human VLDLR with a linear range of 1.28-32ng/mL.
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Gln 29
Tag	C-His
Protein Construction	A DNA sequence encoding the mature form of mouse LRPAP1 (NP_038615.2) extracellular domain (Gln 29-Leu 360) was fused with a signal peptide at the N-terminus and a polyhistidine tag at the C-terminus.
Reconstitution	It is recommended that sterile water (400ul) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for LRPAP1 active protein	The recombinant mouse LRPAP1 comprises 343 amino acids with a predicted molecular mass of 40.4 kDa. As a result of glycosylation, it migrates as an approximately 46 kDa band in SDS-PAGE under reducing conditions.
References	Gonzlez P, et al. (2002) Variation in the lipoprotein receptor-related protein, alpha2-macroglobulin and lipoprotein receptor-associated protein genes in relation to plasma lipid levels and risk of early myocardial infarction. Coron Artery Dis. 13(5): 251-4.Schutte DL, et al. (2003) A LRPAP1 intronic insertion/deletion polymorphism and phenotypic variability in Alzheimer disease. Res Theory Nurs Pract. 17(4): 301-19Pandey SN, et al. (2006) Lipoprotein receptor associated protein (LRPAP1) insertion/deletion polymorphism: association with gallbladder cancer susceptibility. Int J Gastrointest Cancer. 37(4): 124-8.Dixit M, et al. (2006) Association of low density lipoprotein receptor related protein-associated protein (LRPAP1) gene insertion/deletion polymorphism with gallstone disease.J Gastroenterol Hepatol. 21(5): 847-9.

NCBI AND UNIPROT INFORMATION

NCBI GI #	63999380
NCBI GeneID	16976
NCBI Accession #	NP_038615.2
NCBI GenBank Nucleotide #	NM_013587.2
UniProt Accession #	P55302
NCBI Official Full Name	alpha-2-macroglobulin receptor-associated protein
NCBI Official Synonym Full Names	low density lipoprotein receptor-related protein associated protein 1
NCBI Official Symbol	Lrpap1
NCBI Official Synonym Symbols	RAP; HBP44; C77774; AA617339; AI790446; AU042172
NCBI Protein Information	alpha-2-macroglobulin receptor-associated protein
UniProt Protein Name	Alpha-2-macroglobulin receptor-associated protein
UniProt Gene Name	Lrpap1
UniProt Synonym Gene Names	Alpha-2-MRAP; HBP-44; RAP
UniProt Entry Name	AMRP_MOUSE

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.