MARCKSL1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	MARCKSL1, Recombinant Protein
Full Product Name	Recombinant Human MARCKSL1
Product Gene Name	MARCKSL1 recombinant protein
Product Synonym Names	AL022768; AW215397; AW536807; D4Bc1; F52; MacMARCKS; Macs 2; Macs 3; Macs2; Macs3; MARCKS like 1; Marcksl1; Mlp; Mrp
Host	E Coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% trehalose, pH7.4
Purity/Purification	Greater than 95% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	195
Sequence Positions	152-195
OMIM	602940
3D Structure	ModBase 3D Structure for P49006
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000rpm for 1 minute, reconstitute at 200ug/ml in sterile distilled water
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for MARCKSL1 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for MARCKSL1 recombinant protein	MBS7613313 is a recombinant protein targeting MARCKSL1. Also known as Recombinant Human MARCKSL1. Host: E Coli.
Other Notes	Small volumes of MARCKSL1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MARCKSL1. It may not necessarily be applicable to this product.

NCBI GI #	1346576
NCBI GeneID	65108
NCBI Accession #	P49006.2
UniProt Primary Accession #	P49006
UniProt Secondary Accession #	Q5TEE6; Q6NXS5; D3DPQ0
UniProt Related Accession #	P49006

NCBI Official Full Name	MARCKS-related protein
NCBI Official Synonym Full Names	MARCKS-like 1
NCBI Official Symbol	MARCKSL1
NCBI Official Synonym Symbols	F52; MLP; MRP; MLP1; MACMARCKS
UniProt Protein Name	MARCKS-related protein
UniProt Synonym Protein Names	MARCKS-like protein 1; Macrophage myristoylated alanine-rich C kinase substrate; Mac-MARCKS; MacMARCKS
Protein Family	MARCKS-related protein
UniProt Gene Name	MARCKSL1
UniProt Synonym Gene Names	MLP; MRP; Mac-MARCKS; MacMARCKS
UniProt Entry Name	MRP_HUMAN
NCBI Protein Information	MARCKS-related protein; mac-MARCKS; MARCKS-like protein 1; macrophage myristoylated alanine-rich C kinase substrate
NCBI Summary for MARCKSL1	This gene encodes a member of the myristoylated alanine-rich C-kinase substrate (MARCKS) family. Members of this family play a role in cytoskeletal regulation, protein kinase C signaling and calmodulin signaling. The encoded protein affects the formation of adherens junction. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are located on the long arm of chromosomes 6 and 10. [provided by RefSeq, Jun 2012]
UniProt Comments for MARCKSL1	MLP: Controls cell movement by regulating actin cytoskeleton homeostasis and filopodium and lamellipodium formation. When unphosphorylated, induces cell migration. When phosphorylated by MAPK8, induces actin bundles formation and stabilization, thereby reducing actin plasticity, hence restricting cell movement, including neuronal migration. May also affect cancer cell migration. May be involved in coupling the protein kinase C and calmodulin signal transduction systems. Belongs to the MARCKS family. Protein type: Cell cycle regulation Chromosomal Location of Human Ortholog: 1p35.1 Cellular Component: cytoplasm; plasma membrane Molecular Function: calmodulin binding; actin binding Biological Process: positive regulation of cell proliferation
Research Articles on MARCKSL1	**1.** Patients with high expression of PPH3 and high MARCKSL1 protein had a lower survival rate versus patients with low MARCKSL1 and high PPH3 expression.
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