

Recombinant Human MARCKS-like 1, His-tagged

Cat. No. MARCKSL1-526H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MARCKSL1, 1-195aa , Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-195 a.a.
Description	MARCKS-related protein, also known as MARCKSL1, is a member of MARCKS family of PKC substrate. It is widely used in the signal transduction studies as an indicator of PKC activation. Expressed in a variety of tissues with highest levels found in testis and uterus, MARCKSL1 participates in the coordination of membrane-cytoskeletal signaling events, including secretion, migration, phagocytosis and cell adhesion. Additionally, MARCKSL1 functions as a regulator of Integrin activation and is thought to regulate Integrin-dependent signal transduction pathways, especially those involved in macrophage spreading. Recombinant human MARCKSL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol
Molecular Mass	21.9kDa (218aa) confirmed by MALDI-TOF(Molecular weight on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGSQSSK APRGDVTAAE AAGASPAKAN

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GQENGHVKSNDLSPKGEGE SPPVNGTDEA AGATGDAIEP APPSQGAEAK
 GEVPPKETPK KKKKFSFKKP FKLSGLSFKR NRKEGGGDSS ASSPTEEEQE
 QGEIGACSDGTAQEGKAAA TPESQEPQAK GAEASAASEE EAGPQATEPS
 TSPGPESGPT PASAEQNE

Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by BCA assay)

GENE INFORMATION

Gene Name	MARCKSL1 MARCKS-like 1 [Homo sapiens]
Official Symbol	MARCKSL1
Synonyms	MARCKSL1; MARCKS-like 1; MARCKS like protein , MLP; MARCKS-related protein; F52; MacMARCKS; MLP1; mac-MARCKS; MARCKS-like protein 1; macrophage myristoylated alanine-rich C kinase substrate; MLP; MRP; MACMARCKS;
Gene ID	65108
mRNA Refseq	NM_023009
Protein Refseq	NP_075385
MIM	602940
UniProt ID	P49006

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Chromosome Location	1p35.1
Pathway	Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Leishmaniasis, organism-specific biosystem; Leishmaniasis, conserved biosystem;
Function	calmodulin binding;

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