

## Recombinant Human MARCKS-like 1, His-tagged

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

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | MARCKSL1, 1-195aa , Human, His tag, E.coli   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | 1-195 a.a.   |
| <b>Description</b>      | <p>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.</p> |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol  |
| <b>Molecular Mass</b>   | 21.9kDa (218aa) confirmed by MALDI-TOF(Molecular weight on SDS-PAGE will appear higher)  |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSMGSQSSK APRGDVTAAE AAGASPAKAN   |

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GQENGHVKSNDLSPKGEGE SPPVNGTDEA AGATGDAIEP APPSQQAEAK  
 GEVPPKETPK KKKKFSFKKP FKLSGLSFKR NRKEGGGDSS ASSPTEEEQE  
 QGEIGACSDE GTAQEGKAAA TPESQEPQAK GAEASAASEE EAGPQATEPS  
 TPSGPESGPT 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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|                            |   |
|----------------------------|---|
| <b>Chromosome Location</b> | 1p35.1  |
| <b>Pathway</b>             | Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Leishmaniasis, organism-specific biosystem; Leishmaniasis, conserved biosystem; |
| <b>Function</b>            | calmodulin binding;   |

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