Recombinant human MARCKSL1 protein

Catalog Number: ATGP2041

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-195aa

UniProt No.
P49006

NCBI Accession No.
NP_075385

Alternative Names
MARCKS-related protein, F52, MACMARCKS, MLP, MLP1, MRP

PRODUCT SPECIFICATION

Molecular Weight
21.9 kDa (218aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration
0.25mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

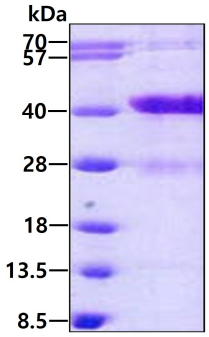
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General References

Jin T., et al. (2001) J Biol Chem. 276:12879-12884
Murphy A., et al. (2003) Neurosci Lett. 347:9-12.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.