

MARCKSL1, 1-195aa , Human, His tag, E.coli

Cat.NO.: TP02913

3th Edition

Synonyms:MARCKS-related protein, F52, MACMARCKS, MLP, MLP1, MRP

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMGSSKAPRGDVTAEAAAGASPAKANGQENGHVKSNGDLSPKGEGESP
PVNGTDEAAGATGDAIEPAPPSQGAEAKGEVPPKETPKKKKFSFKKPKLGLSFKRNRKEGGDSSASSPTEE
EQEQGEIGACSDEGTAQEGKAAATPESQEPQAKGAEASAASEEEAGPQATEPSTPSGPESGPTPASAEQNE

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by BCA assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.