
Product Data Sheet

Product Name: MARCKSL1 Human
 Cat. No.: GP23887
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	F52; MACMARCKS; MLP; MLP1; MRP; MARCKS-related protein; MARCKS-like protein 1; Macrophage myristoylated alanine-rich C kinase substrate; MARCKSL1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGSQSSK APRGDVTAAE AAGASPAKAN GQENGHVKSN GDLSPKGEGE SPPVNGTDEA AGATGDAIEP APPSQGAEAK GEVPPKETPK KKKKFSFKKPK FKLSGLSFKR NRKEGGGDSS ASSPTEEEQE QGEIGACSD E GTAQEGKAAA TPESQEPQAK GAEASAASEE EAGPQATEPS TPSGPESGPT PASAEQNE.		
Formulation	The MARCKSL1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 20% glycerol.		

Introduction

MARCKS-related protein (MARCKSL1) which is a part of MARCKS family of PKC substrate is broadly used in the signal transduction studies as an indicator of PKC activation. MARCKSL1 plays a part in the coordination of membrane-cytoskeletal signaling events, including secretion, migration, phagocytosis and cell adhesion and is expressed in a variety of tissues with highest levels found in testis and uterus. Furthermore, MARCKSL1 serves as a regulator of Integrin activation and is thought to regulate Integrin-dependent signal transduction pathways, particularly those involved in macrophage spreading.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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MARCKSL1 Human Recombinant produced in E. coli is a single polypeptide chain containing 218 amino acids (1-195) and having a molecular mass of 21.9kDa. MARCKSL1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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