

Recombinant Human MARCKS Protein, His&SUMO-tagged

Cat. No. MARCKS-1097H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MARCKS Protein (Gly2-Glu332) with His&SUMO tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly2-Glu332
Description	The protein encoded by this gene is a substrate for protein kinase C. It is localized to the plasma membrane and is an actin filament crosslinking protein. Phosphorylation by protein kinase C or binding to calcium-calmodulin inhibits its association with actin and with the plasma membrane, leading to its presence in the cytoplasm. The protein is thought to be involved in cell motility, phagocytosis, membrane trafficking and mitogenesis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 45.1 kDa; Accurate Molecular Mass: 40 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Storage Buffer

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

MARCKS myristoylated alanine-rich protein kinase C substrate [Homo sapiens (human)]

Official Symbol

MARCKS

Synonyms

MARCKS; myristoylated alanine-rich protein kinase C substrate; MACS, myristoylated alanine rich protein kinase C substrate (MARCKS, 80K L); myristoylated alanine-rich C-kinase substrate; 80K L; PKCSL; phosphomyristin; protein kinase C substrate, 80 kDa protein, light chain; myristoylated alanine-rich protein kinase C substrate (MARCKS, 80K-L); MACS; 80K-L; PRKCSL; FLJ14368; FLJ90045;

Gene ID

4082

mRNA Refseq

NM_002356

Protein Refseq

NP_002347

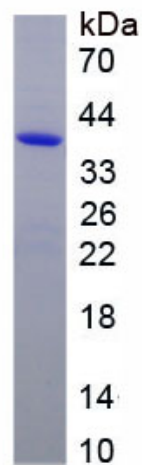
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MIM 177061

UniProt ID P29966



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