Recombinant Human MARCKS protein, GST-tagged

Cat. No. MARCKS-17H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MARCKS(2 a.a. - 65 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	2-65 a.a.
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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	32.78 kDa
AA Sequence	GAQFSKTAAKGEAAAERPGEAAVASSPSKANGQENGHVKVNGDASPAAAESGAKE ELQANGSAP
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	MARCKS myristoylated alanine-rich protein kinase C substrate [Homo sapiens]
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
MIM	177061
UniProt ID	P29966
Chromosome Location	6q21
Pathway	Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Integration of energy metabolism,

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	organism-specific biosystem; Metabolism, organism-specific biosystem; Regulation of Insulin Secretion, organism-specific biosystem; Regulation of Insulin Secretion by Acetylcholine, organism-specific biosystem;
Function	actin filament binding; calmodulin binding; protein kinase C binding;

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