Recombinant Human MARCKS protein, MYC/DDK-tagged

Cat. No. MARCKS-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MARCKS fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
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	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	31.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	MARCKS myristoylated alanine-rich protein kinase C substrate [Homo sapiens]

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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, 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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