

Active Recombinant Full Length Human MARCKS Protein, C-Flag-tagged

Cat. No. MARCKS-395HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MARCKS Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Bio-activity	Binding assay
Molecular Mass	31.4 kDa
AA Sequence	MGAQFSKTAAKGEEAAERPGEEAVASSPSKANGQENGHVKVNGDASPAAAESGA KEELQANGSAPAADKE EPAAAGSGAASPSAAEKGEPEAAAAPEAGASPVEKEAPA EGEAAEPGSPTAAEGEAASAASSTSSPKAED GATSPSNETPKKKKKRFSFKKSFK LSGFSFKKNKKEAGEGGEEAPAAEGGKDEAAGGAAAAAAEAGAA SGEQAAAPG

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EEAAAGEEGAAGGDPQEAKPQEAAVAPEKPPASDETKAAEEPSKVVEEKKAEEAGA
 SAAACE
 APSAAGPGAPPEQEAAAPAEPPAAAAAASSACAAPSQEAQPECSPEAPPAEAAAETRT
 RPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Fc gamma R-mediated phagocytosis
Full Length	Full L.

GENE INFORMATION

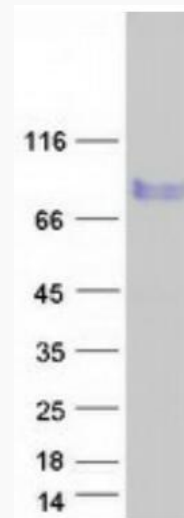
Gene Name	MARCKS myristoylated alanine rich protein kinase C substrate [Homo sapiens (human)]
Official Symbol	MARCKS
Synonyms	MACS; 80K-L; PKCSL; PRKCSL

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Gene ID	4082
mRNA Refseq	NM_002356.7
Protein Refseq	NP_002347.5
MIM	177061
UniProt ID	P29966



Coomassie blue staining of purified MARCKS protein.

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