

Product datasheet for **TP310277L**

MARCKS (NM_002356) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human myristoylated alanine-rich protein kinase C substrate (MARCKS), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210277 representing NM_002356 Red =Cloning site Green =Tags(s)

MGAQFSKTAAKGEEAAERPGEAAVASSPSKANGQENGHVKVNGDASPAAAESGAKEELQANGSAPAADKE
EPAAAGSGAASPSAAEKGEPAAAAAPEAGASPVEKEAPAEGEAAEPGSPTAAEGEAASAASSTSSPKAED
GATPSPNETPKKKKRFKFSFKLSGFSFKKNKKEAGEGGEAEAPAAEGGKDEAAGGAAAAAAEAGAA
SGEQAAAAPGEEAAAGEEGAAGGDPQEAKPQEA AVAPEKPPASDETKAAEESPVKVEEKKAE EAGASAAACE
APSAAGPGAPPEQEAAPAEPPAAAAAASSACAAPSQEAQPECSPEAPPAEAAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	31.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Binding assay (PMID: 25863174)
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002347



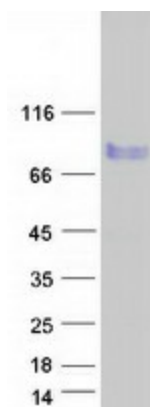
[View online »](#)

Locus ID: 4082
UniProt ID: [P29966](#), [Q6NVI1](#)
RefSeq Size: 2589
Cytogenetics: 6q21
RefSeq ORF: 996
Synonyms: 80K-L; MACS; PKCSL; PRKCSL

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome
Protein Pathways: Fc gamma R-mediated phagocytosis

Product images:



Coomassie blue staining of purified MARCKS protein (Cat# [TP310277]). The protein was produced from HEK293T cells transfected with MARCKS cDNA clone (Cat# [RC210277]) using MegaTran 2.0 (Cat# [TT210002]).