

Product datasheet for PH310277

MARCKS (NM_002356) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MARCKS MS Standard C13 and N15-labeled recombinant protein (NP_002347)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210277
Predicted MW:	31.4 kDa
Protein Sequence:	>RC210277 representing NM_002356 Red =Cloning site Green =Tags(s) MGAQFSKTAAKGEEAAERPGEAAVASSPSKANGQENGHVKNVGDASPAAAESGAKEELQANGSAPAADKE EPAAAGSGAASPAAEKGEPAAPAAAAPEAGASPVEKEAPAEGEAAEPGSPTAAEGEAASAASTSSPKAED GATPSPNETPKKKKRF SFKKSFKLSGF SFKKNKEAGEGGEAEAPAAEGGKDEAAGGAAAAAEAGAA SGEQAAAPGEEAAAGEEGAAGGDPQEAKPQEA AVAPEKPPASDETKAAEEPSKVEEKAAEEAGASAAACE APSAAGPGAPPEQEAAPAEPAAPAAAAASSACAAPSQEAQPECSPEAPPAAEAAE TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_002347</u>
RefSeq Size:	2589
RefSeq ORF:	996
Synonyms:	80K-L; MACS; PKCSL; PRKCSL
Locus ID:	4082



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UniProt ID: [P29966, Q6NV11](#)

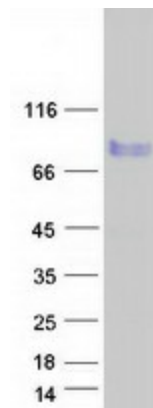
Cytogenetics: 6q21

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]).