

Product datasheet for PH313245

MEMO1 (NM_015955) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MEMO1 MS Standard C13 and N15-labeled recombinant protein (NP_057039)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213245
Predicted MW:	33.7 kDa
Protein Sequence:	>RC213245 protein sequence Red =Cloning site Green =Tags(s) MSNRVVCREASHAGSWYTAGSPQLNAQLEGWLSQVQSTKRPARAIIAPHAGYTYCGSCAAHAYKQVDP SI TRRIFILGPSHHVPLSRCALSSVDIYRTPLYDLRIDQKIYGELWKTGMFERMSLQTD EDEHSIEMHLPYT AKAMESHKDEFTIIPVLVGALSESKEQEFGKLF SKYLADPSNLFVYSSDFCHWQQRFRYSYYDESQGEIY RSIEHL DKMGMSIIEQLDPVSFSNYLKKYHNTICGRHPIGVLLNAITELQKNGMNSF SFLNYAQSSQCR NWQDSSVSYAAGALTVH TRTRP LEQKLI SEEDLA ANDILDYK DDDDKV
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_057039</u>
RefSeq Size:	1878
RefSeq ORF:	891
Synonyms:	C2orf4; CGI-27; MEMO; NS5ATP7
Locus ID:	51072



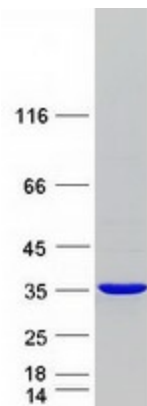
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UniProt ID: [Q9Y316](#)

Cytogenetics: 2p22.3

Summary: May control cell migration by relaying extracellular chemotactic signals to the microtubule cytoskeleton. Mediator of ERBB2 signaling. The MEMO1-RHOA-DIAPH1 signaling pathway plays an important role in ERBB2-dependent stabilization of microtubules at the cell cortex. It controls the localization of APC and CLASP2 to the cell membrane, via the regulation of GSK3B activity. In turn, membrane-bound APC allows the localization of the MACF1 to the cell membrane, which is required for microtubule capture and stabilization. Is required for breast carcinoma cell migration.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified MEMO1 protein (Cat# [TP313245]). The protein was produced from HEK293T cells transfected with MEMO1 cDNA clone (Cat# [RC213245]) using MegaTran 2.0 (Cat# [TT210002]).