

Product datasheet for PH315722

ELMO1 (NM_001039459) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ELMO1 MS Standard C13 and N15-labeled recombinant protein (NP_001034548)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215722
Predicted MW:	83.8 kDa
Protein Sequence:	>RC215722 protein sequence Red=Cloning site Green=Tags(s)

MPPPADIVKVAIEWPGAYPKLMEIDQKKPLSAIIEKVCWGWSLANHEYFALQHADSSNFYITEKNRNEIK
NGTILRLTTSPAQNAQQLHERIQSSMDAKLEALKDLASLSRDVTF AQEFINLDGISLLTQMVESGTERY
QKLQKIMKPCFGDMLSFTLTAFVELMDHGIVSWDTFSVAFIKKIASFVNKSAIDISILQRSLAILESMVL
NSHDLYQKVAQEITIGQLIPHLQGSQDEIQTYYIAVINAFKAPDERRQEMANILAQKQLRSIILTHVI
RAQRAINNEMAHQLYVLQVLT FNLL EDRMMTKMDPQDQAQRDIIFELRRIAFDAESEPNNSSGSMKRKS
MYTRDYKKLGF INHVNPAMDFTQTPPGMLALDNMLYFAKHHQDAYIRIVLENSSREDKHECPFRSSIEL
TKMLCEILKVGELPSETCNDHFPMFFTHDRSFEEFFCICIQLLNKTWKEMRATSEDFNKVMQVVKEQVMR
ALTTKPSLSDQFKSKLQNL SYTEILKIRQSERMNQEDFQSRPILELKEKIQPEILELIKQRLNRLVEGT
CFRKLNARRRQDKFWYCR LSPNHKVLHYGDLEESPQGEVPHDSLQDKLPVADIKAVVTGKDCPHMKEKGA
LKQNKEVLELAFSILYDSNCQLNFIAPDKHEYCIWTDGLNALLGKDMMSDLTRNDLDTLLSMEIKLRLLD
LENIQIPDAPPIPKEPSNYDFVYDCN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_001034548



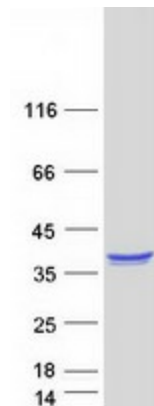
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RefSeq Size:	3590
RefSeq ORF:	2181
Synonyms:	CED-12; CED12; ELMO-1
Locus ID:	9844
UniProt ID:	Q92556
Cytogenetics:	7p14.2-p14.1

Summary: This gene encodes a member of the engulfment and cell motility protein family. These proteins interact with dedicator of cytokinesis proteins to promote phagocytosis and cell migration. Increased expression of this gene and dedicator of cytokinesis 1 may promote glioma cell invasion, and single nucleotide polymorphisms in this gene may be associated with diabetic nephropathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Protein Pathways: Chemokine signaling pathway

Product images:



Coomassie blue staining of purified ELMO1 protein (Cat# [TP315722]). The protein was produced from HEK293T cells transfected with ELMO1 cDNA clone (Cat# [RC215722]) using MegaTran 2.0 (Cat# [TT210002]).