

Recombinant Human ELMO1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ELMO1-4380H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ELMO1 MS Standard C13 and N15-labeled recombinant protein (NP_001034548) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	83.8 kDa
AA Sequence	MPPPADIVKVAIEWPGAYPKLMEIDQKKPLSAIIEVCDGWSLANHEYFALQHADSS NFYITEKNRNEIKNGTILRLTTSPAQNAQQLHERIQSSMDAKLEALKDLASLSRDVT FAQEFINLDGISLLTQMVESGTERYQKLQKIMKPCFGDMLSFTLTAFVELMDHGIVS WDTFSVAFIKKIASFVNKSAIDISILQRSLAILESMVLNSHDLYQKVAQEITIGQLIPHLQ GSDQEIQTYTIAVINALFLKAPDERRQEMANILAQKQLRSIILTHVIRAQRAINNEMAH QLYVLQVLTFNLLEDMMTKMDPQDQAQRDIIFELRRIAFDAESEPNNSSSGSMEKRK SMYTRDYKKLGFINHVNPAMDFTQTPPGMLALDNMLYFAKHHQDAYIRIVLENSSRE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DKHECPFGRSSIELTKMLCEILKVGELPSETCNDHFPMFFTHDRSFEEFFCICIQLLN
 KTWKEMRATSEDFNKVMQVVKEQVMRALTTKPSSLDQFKSKLQNLSTYTEILKIRQSE
 RMNQEDFQSRPILELKEKIQPEILELIKQQRLNRLVEGTCFRKLNARRRQDKFWYCR
 LSPNHKVLHYGDLEESPQGEVPHDSLQDKLPVADIKAVVTGKDCPHMKEKGALKQN
 KEVLELAFSILYDSNCQLNFIAPDKHEYCIWTDGLNALLGKDMMSDLTRNDLDTLLSM
 EIKLRLLDLENIQIPDAPPPIPKEPSNYDFVYDCNTRTRPLEQKLISEEDLAANDILDYK
 DDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ELMO1 engulfment and cell motility 1 [Homo sapiens (human)]

Official Symbol ELMO1

Synonyms ELMO1; engulfment and cell motility 1; engulfment and cell motility 1 (ced 12 homolog, C. elegans); engulfment and cell motility protein 1; CED 12; CED12; ELMO 1; KIAA0281; ced-12 homolog 1; CED-12; ELMO-1; MGC126406;

Gene ID 9844

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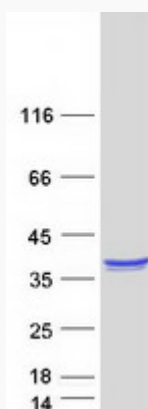
mRNA Refseq [NM_001039459](#)

Protein Refseq [NP_001034548](#)

MIM [606420](#)

UniProt ID [Q92556](#)

SDS-PAGE



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