

Recombinant Full Length Human ELMO1 Protein, GST-tagged

Cat. No. ELMO1-4359HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ELMO1 full-length ORF (NP_055615.8, 1 a.a. - 727 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	727 amino acids
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. [provided by RefSeq, Aug 2013]
Molecular Mass	110.2 kDa
AA Sequence	MPPPADIVKVAIEWPGAYPKLMEIDQKKPLSAIKEVCDGWSLANHEYFALQHADSS NFYITEKNRNEIKNGTILRLTTSPAQNAQQLHERIQSSSMDAKLEALKDLASLSRDVT FAQEFINLDGISLLTQMVESGTERYQKLQKIMKPCFGDMLSFTLTAFVELMDHGIVS WDTFSVAFIKKIASFVNKSAIDISILQRLAILESMVLNSHDLYQKVAQEITIGQLIPHLQ GSDQEIQTYTIAVINALFLKAPDERRQEMANILAQKQLRSIILTHVIRAQRAINNEMAH QLYVLQVLTFNLLDRMMTKMDPQDQAQRDIIFELRRIAFDAESEPNNSSGSMEKRK SMYTRDYKKLGFINHVNPAMDFTQTTPPGMLALDNMLYFAKHHQDAYIRIVLENSRE

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DKHECPFGRSSIELTKMLCEILKVGELPSETCNDHFPMFFTHDRSFEEFFCICIQLLN
 KTWKEMRATSEDFNKVMQVVKEQVMRALTTKPSSLDQFKSKLQNLSTYELKIRQSE
 RMNQEDFQSRPILELKEKIQPEILELIKQQRLNRLVEGTGCFRKLNARRRQDKFWYCR
 LSPNHKVLHYGDLEESPQGEVPHDSLQDKLPVADIKAVVTGKDCPHMKEKGALKQN
 KEVLELAFSILYDSNCQLNFIAPDKHEYCIWTDGLNALLGKDMMSDLTRNDLDTLLSM
 EIKLRLLDLENIQIPDAPPPIPKEPSNYDFVYDCN

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ELMO1 engulfment and cell motility 1 \[Homo sapiens \]](#)

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](#)

mRNA Refseq

[NM_001039459](#)

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Protein Refseq	NP_001034548
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MIM	606420
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UniProt ID	Q92556
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