

## Recombinant Mouse Elmo2 Protein, MYC/DDK-tagged

**Cat. No.** Elmo2-992M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of full-length mouse engulfment and cell motility 2 (Elmo2), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.                                                                                                                                                                     |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | Involved in cytoskeletal rearrangements required for phagocytosis of apoptotic cells and cell motility. Acts in association with DOCK1 and CRK. Was initially proposed to be required in complex with DOCK1 to activate Rac Rho small GTPases. May enhance the guanine nucleotide exchange factor (GEF) activity of DOCK1. |
| <b>Molecular Mass</b>   | 83.9 kDa                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | >80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                 |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                              |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                      |

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## GENE INFORMATION

|                 |                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Elmo2 engulfment and cell motility 2 [ Mus musculus (house mouse) ]                                                     |
| Official Symbol | Elmo2                                                                                                                   |
| Synonyms        | Elmo2; engulfment and cell motility 2; CED-12; 1190002F24Rik; engulfment and cell motility protein 2; CED-12 homolog A; |
| Gene ID         | 140579                                                                                                                  |
| mRNA Refseq     | NM_207706                                                                                                               |
| Protein Refseq  | NP_997589                                                                                                               |
| UniProt ID      | Q8BHL5                                                                                                                  |

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