



# Recombinant Mouse Methionine aminopeptidase 2 (Metap2)

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| <b>Product Code</b>      | CSB-EP013716MO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Uniprot No.</b>       | O08663                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen Species</b> | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Sequence</b>          | AGVEQAASF GGHLNGDLDP DDREEGTSST AEEAAKKKRR KKKKGKGAVS<br>AVQQELDKES GALVDEVAKQ LESQALEEKE RDDDDDEDGDG DADGATGKKK<br>KKKKKKRGPK VQTDPPSVPI CDLYPNGVFP KGQECEYPPT QDGRATAAWRT<br>TSEEKKALDQ ASEEIWNDFR EAAEAHRQVR KYVMSWIKPG MTMIEICEKL<br>EDCSRKLIKE NGLNAGLAFP TGCSLNNCAA HYTPNAGDTT VLQYDDICKI<br>DFGTHISGRI IDCAFTVTFN PKYDILLTAV KDATNTGIKC AGIDVRLCDV<br>GEAIQEVMS YEVEIDGKTY QVKPIRNLNG HSIGPYRIHA GKTVPVIVKGG<br>EATRMEEGEV YAIETFGSTG KGVVHDDMEC SHYMKNFDVG HPVIRLPRTK<br>HLLNVINENF GTLAFCCRWL DRLGESKYL ALKNLCDLGI VDPYPPLCDI<br>KGSYTAQFEH TILLRPTCKE VVSRGDDY                 |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Target Names</b>      | Metap2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Names</b>     | Recommended name: Methionine aminopeptidase 2 Short name= MAP 2 Short name= MetAP 2 EC= 3.4.11.18 Alternative name(s): Initiation factor 2-associated 67 kDa glycoprotein Peptidase M 2 p67eIF2 Short name= p67                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Expression Region</b> | 2-478                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Target Details</b>    | This gene is a member of the methionyl aminopeptidase family and encodes a protein that binds 2 cobalt or manganese ions. This protein functions both by protecting the alpha subunit of eukaryotic initiation factor 2 from inhibitory phosphorylation and by removing the amino-terminal methionine residue from nascent protein. Increased expression of this gene is associated with various forms of cancer and the anti-cancer drugs fumagillin and ovalicin inhibit the protein by irreversibly binding to its active site. A pseudogene of this gene is located on chromosome 2. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final                                                                                                                                                                                                                                                                                                                                        |



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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### **Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.