



# Recombinant Mouse Methionine aminopeptidase 2 (Metap2)

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| <b>Product Code</b>      | CSB-YP013716MO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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>            | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <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.

#### 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.