

## Metallothionein 2 Recombinant Protein | MT2 recombinant protein

Recombinant Metallothionein 2 (MT2)

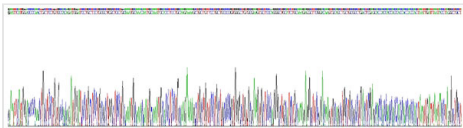
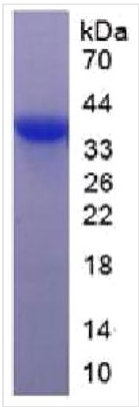
|                               |                       |                                           |                                               |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA145945</b> | HOST<br><b>E.coli</b> | REACTIVITY<br><b>Mus musculus (Mouse)</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-------------------------------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

Metallothionein 2; Recombinant Metallothionein 2 (MT2); MT2 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Reactivity                                          | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Purity/Purification                                 | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                         | 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% Sarcosyl, 5% Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Concentration                                       | Original Concentration: 200ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Applicable Applications for MT2 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source                                              | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Residues                                            | Met1~Ala61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tags                                                | N-terminal His and GST Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Subcellular Location                                | Nucleus, Cytoplasm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Traits                                              | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Predicted isoelectric point                         | 9.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Usage                                               | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage                             | <p><b>Storage:</b><br/> Avoid repeated freeze/thaw cycles.<br/> Store at 2-8 degree C for one month.<br/> Aliquot and store at -80 degree C for 12 months.</p> <p><b>Stability Test:</b><br/> The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p> |



Gene Sequence  
Gene Sequencing (extract)

SDS-PAGE

MDPNCSCASD GSCSCAGACK CKQCKTSCCK KSCCSCCPVG CAKCSQGCIC  
KEASDKCSCC A

Sequence

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 1495466                                                                                                            |
| NCBI GeneID                      | 4502                                                                                                               |
| UniProt Accession #              | P02795; Q14823; Q2HXR9; Q53XT9                                                                                     |
| Molecular Weight                 | Predicted Molecular Mass: 36.1kDa<br>Accurate Molecular Mass: 38kDa as determined by SDS-PAGE reducing conditions. |
| NCBI Official Full Name          | Metallothionein 2                                                                                                  |
| NCBI Official Synonym Full Names | metallothionein 2A                                                                                                 |
| NCBI Official Symbol             | MT2A                                                                                                               |
| NCBI Official Synonym Symbols    | MT2                                                                                                                |
| NCBI Protein Information         | metallothionein-2                                                                                                  |
| UniProt Protein Name             | Metallothionein-2                                                                                                  |
| UniProt Gene Name                | MT2A                                                                                                               |
| UniProt Synonym Gene Names       | CES1; MT2; MT-2; MT-II                                                                                             |
| UniProt Entry Name               | MT2_HUMAN                                                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mt2a-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/145945>