

## Recombinant Human MT2A protein, GST-tagged

**Cat. No.** MT2A-1070H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MT2A protein(1-61 aa), fused with GST tag, was expressed in E.coli.                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-61 aa                                                                                                                                                                                                                                                                      |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH. |
| <b>AA Sequence</b>      | MDPNCSCAAGDSCTCAGSCKCKECKCTSCCKKSCCSCCPVGCAKCAQGCICKGASDKCSCCA                                                                                                                                                                                                               |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                     |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                         |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.<br>Reconstitution with 200 µl 50% glycerol solution is recommended for longer term                                                                                                                |

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storage.

## GENE INFORMATION

|                        |                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MT2A metallothionein 2A [ Homo sapiens ]                                                               |
| <b>Official Symbol</b> | MT2A                                                                                                   |
| <b>Synonyms</b>        | MT2A; metallothionein 2A; MT2; metallothionein-2; MT-2; MT-II; metallothionein-2A; metallothionein-II; |
| <b>Gene ID</b>         | 4502                                                                                                   |
| <b>mRNA Refseq</b>     | NM_005953                                                                                              |
| <b>Protein Refseq</b>  | NP_005944                                                                                              |
| <b>MIM</b>             | 156360                                                                                                 |
| <b>UniProt ID</b>      | P02795                                                                                                 |

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