

## Recombinant Human LETM1 protein, His-tagged

**Cat. No.** LETM1-3619H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human LETM1 protein(391-739 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 391-739 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, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.                                                                                                |
| <b>AA Sequence</b>      | EDRLRGQLKQWLDLHLHQEIPTSLILSRAMYL PDTLSPADQLKSTLQTLPEIVAKEA<br>QVKVAEVEGEQVDNKAKLEATLQEEAAIQQEHREKELQKRSEVAKDFEPERVVAAP<br>QRPGTPEQPMPDVLQSETLKDTAPVLEGLKEEEITKEEIDILSDACSKLQEQQKSL<br>TKEKEELELLKEDVQDYSEDLQEIKKELSKTGEEKYVEESKASKRLTKRVQQMIGQID<br>GLISQLEMDQQAGKLAPANGMPTGENVISVAELINAMKQVKHIPESKLTSLAAALDEN<br>KDGKVNIDDLVKVIELVDKEDVHISTSQVAEIVATLEKEEKVEEKEKAKEKAKEVAEV<br>KS |
| <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                                                                                                                                                                                                                                           |

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

**Reconstitution**

Reconstitute at 0.25  $\mu\text{g}/\mu\text{l}$  in 200  $\mu\text{l}$  sterile water for short-term storage.  
Reconstitution with 200  $\mu\text{l}$  50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

|                 |                                                                                                                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | LETM1 leucine zipper-EF-hand containing transmembrane protein 1 [ Homo sapiens ]                                                                                                                                                 |
| Official Symbol | LETM1                                                                                                                                                                                                                            |
| Synonyms        | LETM1; leucine zipper-EF-hand containing transmembrane protein 1; LETM1 and EF-hand domain-containing protein 1, mitochondrial; Mdm38 homolog (yeast); Mdm38 homolog; leucine zipper-EF-hand-containing transmembrane protein 1; |
| Gene ID         | 3954                                                                                                                                                                                                                             |
| mRNA Refseq     | NM_012318                                                                                                                                                                                                                        |
| Protein Refseq  | NP_036450                                                                                                                                                                                                                        |
| MIM             | 604407                                                                                                                                                                                                                           |
| UniProt ID      | O95202                                                                                                                                                                                                                           |

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