

## Recombinant Mouse LTF Protein, His-tagged

**Cat. No.** LTF-907M    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                     |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant mouse LTF (AAH06904.1) (Met 1-Gln 707) was expressed, with a C-terminal polyhistidine tag.                                                                                                                              |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                               |
| <b>Source</b>               | HEK293                                                                                                                                                                                                                              |
| <b>ProteinLength</b>        | 1-707 a.a.                                                                                                                                                                                                                          |
| <b>Predicted N Terminal</b> | Ala 28                                                                                                                                                                                                                              |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.                                                                                                                                                                 |
| <b>Molecular Mass</b>       | The secreted recombinant mouse LTF comprises 699 amino acids and has a calculated molecular mass of 77.2 kDa. The apparent molecular mass of the recombinant protein is approximately 70 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                     |
| <b>Purity</b>               | >92 % as determined by SDS-PAGE.                                                                                                                                                                                                    |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                                                                                           |
| <b>Storage</b>              | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be                                                                                                                                             |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

**Gene Name** [Ltf lactotransferrin \[ Mus musculus \]](#)

**Official Symbol** [LTF](#)

**Synonyms** LTF; lactotransferrin; N lobe; lactoferrin; minisatellite 10r detected by probe MMS10; Lf; Csp82; Ms10r; MMS10R;

**Gene ID** [17002](#)

**mRNA Refseq** [NM\\_008522](#)

**Protein Refseq** [NP\\_032548](#)

**MIM**

**UniProt ID**

**Function** ferric iron binding; heparin binding; hydrolase activity; metal ion binding; peptidase activity; serine-type peptidase activity;

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