

## Product datasheet for **TP721159**

### Mif (NM\_010798) Mouse Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Purified recombinant protein of Mouse macrophage migration inhibitory factor (Mif)  |
| Species:                              | Mouse   |
| Expression Host:                      | E. coli   |
| Expression cDNA Clone or AA Sequence: | Pro2-Ala115   |
| Tag:                                  | C-His   |
| Predicted MW:                         | 13.4 kDa  |
| Concentration:                        | lot specific  |
| Purity:                               | >95% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl   |
| Endotoxin:                            | Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)   |
| Reconstitution Method:                | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage:                              | Store at -80°C.   |
| Stability:                            | Stable for at least 6 months from date of receipt under proper storage and handling conditions.   |
| RefSeq:                               | <a href="#">NP_034928</a>   |
| Locus ID:                             | 17319   |
| UniProt ID:                           | <a href="#">P34884</a> , <a href="#">Q545F0</a>   |
| RefSeq Size:                          | 554   |
| Cytogenetics:                         | 10 C1   |
| RefSeq ORF:                           | 348   |
| Synonyms:                             | GIF; Glif   |


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**Summary:**

Pro-inflammatory cytokine. Involved in the innate immune response to bacterial pathogens. The expression of MIF at sites of inflammation suggests a role as mediator in regulating the function of macrophages in host defense. Counteracts the anti-inflammatory activity of glucocorticoids. Has phenylpyruvate tautomerase and dopachrome tautomerase activity (in vitro), but the physiological substrate is not known. It is not clear whether the tautomerase activity has any physiological relevance, and whether it is important for cytokine activity (By similarity).[UniProtKB/Swiss-Prot Function]