

## Recombinant Rat Tff3 protein, GST-tagged

**Cat. No.** Tff3-1765R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Tff3 aa. (Gln23~Phe81 (Accession # Q03191)) fused with N-terminal GST tag was produced in E. coli cells. |
| <b>Species</b>          | Rat                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                   |
| <b>ProteinLength</b>    | Gln23~Phe81                                                                                                              |
| <b>Description</b>      | Plays a role in epithelial wound healing; involved in maintenance of the intestinal mucosa.                              |
| <b>Form</b>             | Freeze-dried powder                                                                                                      |
| <b>Molecular Mass</b>   | 34 kDa as determined by SDS-PAGE reducing conditions.                                                                    |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                            |
| <b>Purity</b>           | >95%                                                                                                                     |
| <b>Characteristic</b>   | The isoelectric point is 6.1.                                                                                            |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                 |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. The loss rate                                 |

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Storage buffer</b> | Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.                                         |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                  |

## GENE INFORMATION

|                        |                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Tff3 trefoil factor 3 [ <i>Rattus norvegicus</i> (Norway rat) ]                                        |
| <b>Official Symbol</b> | Tff3                                                                                                   |
| <b>Synonyms</b>        | Tff3; trefoil factor 3; ITF; intestinal trefoil factor; polypeptide P1.B; trefoil factor 3, intestinal |
| <b>Gene ID</b>         | 25563                                                                                                  |
| <b>mRNA Refseq</b>     | NM_013042.2                                                                                            |
| <b>Protein Refseq</b>  | NP_037174.2                                                                                            |
| <b>UniProt ID</b>      | Q03191                                                                                                 |

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