

# Recombinant Human TDGF1 protein, His-tagged

**Cat. No.** TDGF1-3555H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TDGF1 protein(P13385)(32-150aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 32-150aa                                                                                                                                                                                                                              |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| <b>Molecular Mass</b>   | 17.5 kDa                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | GHQEFARPSRGYLAFRDDSIWPQEPAIRPRSSQRVPPMGIQHSEKLNRTCCLNGG<br>TCMLGSFCACPPSFYGRNCEHDVRKENCGSVPHDTWLPPKKCSLCKCWHGQLRCF<br>PQAFLPGCD                                                                                                       |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                           |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                        |

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**Reconstitution**

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

**GENE INFORMATION**

|                  |                                                                |
|------------------|----------------------------------------------------------------|
| <b>Gene Name</b> | TDGF1 teratocarcinoma-derived growth factor 1 [ Homo sapiens ] |
|------------------|----------------------------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | TDGF1 |
|------------------------|-------|

|                 |                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | TDGF1; teratocarcinoma-derived growth factor 1; CR; CRIPTO; Cripto 1; cripto-1 growth factor; epidermal growth factor-like cripto protein CR1; CRGF; |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

|                |      |
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| <b>Gene ID</b> | 6997 |
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| <b>mRNA Refseq</b> | NM_001174136 |
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| <b>Protein Refseq</b> | NP_001167607 |
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|-------------------|--------|
| <b>UniProt ID</b> | P13385 |
|-------------------|--------|

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