

## Recombinant Human TGFB1 Protein, His-tagged

**Cat. No.** TGFB1-6431H    **Lot. No.** (See product label)

### SPECIFICATION

|                               |                                                                                                                                                                                                                                                                               |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>       | Recombinant Human TGFB1 Protein(P01137)(Met1-Ser390 (274-278 aa replaced with LEVLFQ)), fused with C-terminal His tag, was expressed in HEK293.                                                                                                                               |
| <b>Species</b>                | Human                                                                                                                                                                                                                                                                         |
| <b>Source</b>                 | HEK293                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>          | 1-390 aa(274-278 aa replaced with LEVLFQ)                                                                                                                                                                                                                                     |
| <b>Form</b>                   | Lyophilized from a solution in PBS pH 7.4, 1 mM EDTA, 4% Trehalose, 1% Mannitol.                                                                                                                                                                                              |
| <b>Molecular Mass</b>         | 45.34 kDa                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                 | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                                               |
| <b>Storage</b>                | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution. |
| <b>Reconstitution</b>         | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                 |
| <b>protein Refseq-Weblink</b> | <a href="http://www.ncbi.nlm.nih.gov/protein/NP_000651.3">http://www.ncbi.nlm.nih.gov/protein/NP_000651.3</a>                                                                                                                                                                 |

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|         |        |
|---------|--------|
| Unit ID | P01137 |
|---------|--------|

|                 |                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------|
| Unit ID-Weblink | <a href="https://www.uniprot.org/uniprot/P01137">https://www.uniprot.org/uniprot/P01137</a> |
|-----------------|---------------------------------------------------------------------------------------------|

## GENE INFORMATION

|           |                                                           |
|-----------|-----------------------------------------------------------|
| Gene Name | TGFB1 transforming growth factor, beta 1 [ Homo sapiens ] |
|-----------|-----------------------------------------------------------|

|                 |       |
|-----------------|-------|
| Official Symbol | TGFB1 |
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| Synonyms | TGFB1; transforming growth factor, beta 1; DPD1, TGFB; transforming growth factor beta-1; Camurati Engelmann disease; CED; TGFbeta; TGF-beta-1; TGF-beta 1 protein; latency-associated peptide; LAP; DPD1; TGFB; |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|         |      |
|---------|------|
| Gene ID | 7040 |
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|             |           |
|-------------|-----------|
| mRNA Refseq | NM_000660 |
|-------------|-----------|

|                |           |
|----------------|-----------|
| protein Refseq | NP_000651 |
|----------------|-----------|

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| MIM | 190180 |
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