

## Recombinant Human TGF beta 1 Protein

| Catalog # | Source      | Reactivity | Applications        |
|-----------|-------------|------------|---------------------|
| CRP2825   | Human cells | Human      | E, WB, SDS-PAGE, MS |

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Recombinant Human TGF beta 1 Protein is produced by mammalian expression system and the target gene encoding Leu30-Ser390 is expressed                                                                                                                                                                                                                                                                                                |
| <b>Form</b>               | Lyophilized from a 0.2 µm filtered solution of 50mM Glycine, 50mM NaCl, pH4.0.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Symbol</b>        | TGFB1                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Alternative Names</b>  | TGFB; Transforming growth factor beta-1; TGF-beta-1                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Entrez Gene</b>        | 7040 (Human)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SwissProt</b>          | P01137 (Human)                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>             | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Chemical Structure</b> | HHHHHHHLS TSKTIDMELV KRKRIEAIRG QILSKRLAS PPSQGEVPPG PLPEAVLALY<br>NSTRDRVAGE SAEPEPEPEA DYAKEVTRV LMVETHNEIY DKFKQSTHSI YMFFNTSELR<br>EAVPEPVLLS RAE LRLRLK LKVEQHVELY QKYSNNSWRY LSNRLLAPSD SPEWLSFDVT<br>GVVRQWLSRG GEIEGFRLSA HCSCDSRDNT LQVDINGFTT GRRGLATI H GMNRPFLLLM<br>ATPLERAQHL QSSRHRRALD TNYCFSSTEK NCCVRQLYID FRKDLGWKWI HEPKGYHANF<br>CLGPCPYIWS LDTQYSKVLA LYNQHNP GAS AAPCCVPQAL EPLPIVYVVG RPKKVEQLSN<br>MIVRSCKCS |
| <b>Quality Control</b>    | Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Directions for Use</b> | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.                                                                                                                                            |

**Storage/Stability** Lyophilized protein should be stored at -20°C, though stable at room temperature

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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