

Product datasheet for **TP727000**

TGF beta 1 (TGFB1) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant Human Transforming Growth Factor β 1/TGFB1 (N-8His) |
| Species: | Human |
| Expression cDNA Clone or AA Sequence: | Leu30-Ser390 |
| Tag: | N-His |
| Buffer: | Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4. |
| Note: | Recombinant Human Transforming Growth Factor beta 1 is produced by our Mammalian expression system and the target gene encoding Leu30-Ser390(Cys33Ser) is expressed with a 6His tag at the N-terminus. |
| Stability: | 12 months from date of despatch |
| Locus ID: | 7040 |
| UniProt ID: | P01137 |
| Summary: | Transforming Growth Factor β 1 (TGF β 1) is a secreted protein which belongs to the TGF- β family. TGF β 1 is abundantly expressed in bone, articular cartilage and chondrocytes and is increased in osteoarthritis (OA). TGF β 1 performs many cellular functions, including the control of cell growth, cell proliferation, cell differentiation and apoptosis. The precursor is cleaved into a latency-associated peptide (LAP) and a mature TGF β 1 peptide. TGF β 1 may also form heterodimers with other TGF β family members. It has been found that TGF β 1 is frequently upregulated in tumor cells. Mutations in this gene results in Camurati-Engelmann disease. |



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