

Product datasheet for TP527339

Tgfb1 (NM_011577) Mouse Recombinant Protein

Product data:

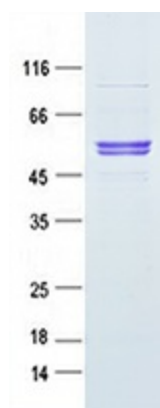
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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse transforming growth factor, beta 1 (Tgfb1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR227339 representing NM_011577 Red =Cloning site Green =Tags(s) |
| | MPPSGLRLLPLLLPLPWLLVLTTPGRPAAGLSTCKTIDMELVKRKRKRIEAIRGQILSKLRLASPPSQGEVPP GPLPEAVLALYNSTRDRVAGESADPEPEPEADYAKEVTRVLMVDRNNAIYEKTKDISHSIYMFNTSDI REAVPEPPLLSRAELRLQRLKSSVEQHVELYQKYSNNSWRYLGNRLLTPTDTPEWLSFDVTGVVRQWLNQ GDGIQGFSAHCSKDNKLHVEINGISPKRRGDLGTIHDNMRPFLLLMATPLERAQHLHSSRHRRAL DTNYCFSSTEKNCCVRQLYIDFRKDLGWKWIHEPKGYHANFCLGPCPYIWSLDTQYSKVLALYNQHNPGA SASPCCVPQALEPLPIVYVGRPKVEQLSNMIVRSCKCS |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-MYC/DDK |
| Predicted MW: | 44.8 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_035707 |
| Locus ID: | 21803 |
| UniProt ID: | P04202 , Q3UNK5 |



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| | |
|---------------|--|
| RefSeq Size: | 2094 |
| Cytogenetics: | 7 13.98 cM |
| RefSeq ORF: | 1170 |
| Synonyms: | TGF-beta; TGF-beta1; Tgfb; Tgfb-1; TGFbeta; TGFbeta1 |
| Summary: | This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGF-beta family members. This encoded protein regulates cell proliferation, differentiation and growth, and can modulate expression and activation of other growth factors including interferon gamma and tumor necrosis factor alpha. Mice lacking a functional copy of this gene develop severe multifocal inflammatory disease, yolk sac defects and colon cancer. [provided by RefSeq, Aug 2016] |

Product images:



Purified recombinant protein Tgfb1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.