

## Product datasheet for **TP527339**

### **Tgfb1 (NM\_011577) Mouse Recombinant Protein**

#### **Product data:**

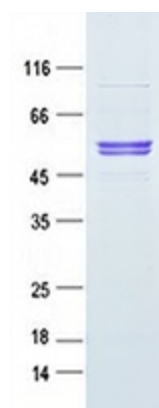
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse transforming growth factor, beta 1 (Tgfb1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227339 representing NM_011577 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MPPSGLRLLPLLLPLPWLLVLTTPGRPAAGLSTCKTIDMELVKRKRIEAIHQILSKRLASPPSQGEVPP          GPLPEAVLALYNSTRDRVAGESADPEPEPEADYYAKEVTRVLMVDRNNAIYEKTKDISHSIYMFNTSDI          REAVPEPPLLSRAELRLQRLKSSVEQHVELYQKYSNNSWRYLGNRLLTPTDTPEWLSFDVTGVVRQWLNQ          GDGIQGFRFSAHCSCDSKDNKLHVEINGISPKRRGDLGTIHDNMNRPFLLMATPLERAQHLHSSRHRRAL          DTNYCFSSTEKNCCVRQLYIDFRKDLGWKWIHEPKGYHANFCLGPCPYIWSLDTQYSKVLALYNQHNPQA          SASPCCVQALEPLPIVYVGRKPKVEQLSNMIVRSCKCS</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
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:	<a href="#">NP_035707</a>
Locus ID:	21803
UniProt ID:	<a href="#">P04202</a>



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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:	<p>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]</p>

### Product images:



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