

Product datasheet for **TP508091**

Tgfb1 (NM_009370) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse transforming growth factor, beta receptor I (Tgfb1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR208091 representing NM_009370 Red =Cloning site Green =Tags(s) |

MEAAAAAPRRPQLLIVLVAATLLPGAKALQCFCHLCTKDNFTCETDGLCFVSVTETTDKVIHNSMCIAE
IDLIPRDRPFVFCAPSSKTGAVTTTYCCNQDHCNKIELPTTGPFSEKQSAGLGPVELAAVIAGPVCFCIA
LMLMVYICHNRTVIHHRVPNEEDPSLDRPFISEGTTLKDLIYDMTTSGSGSLPLLQRTIARTIVLQES
IGKGRFGEVWRGKWRGEEVAVKIFSSREERSWFREAEIYQTVMLRHENILGFIAADNKDNGTWTQLWLVS
DYHEHGSLFDYLNRYTVTVEGMIKLALSTASGLAHLHMEIVGTQGKPAIAHRDLKSKNILVKKNGTCCIA
DLGLAVRHDSATDTIDIAPNHRVGTKRYMAPEVLDDSSINMKHFESFKRADIYAMGLVFEIARRCSIGGI
HEDYQLPYDLPSPDPSVEEMRKVCEQKLRPNIPNRWQSCEALRVMAKIMRECWYANGAARLTALRIKK
TLSQLSQEGIKM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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|-----------------------|--|
| Tag: | C-MYC/DDK |
| Predicted MW: | 56.6 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: | <u>NP_033396</u> |



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|---------------|--|
| Locus ID: | 21812 |
| UniProt ID: | Q64729 , Q4FJL1 |
| RefSeq Size: | 5735 |
| Cytogenetics: | 4 26.02 cM |
| RefSeq ORF: | 1509 |
| Synonyms: | AL; Alk; Alk-5; ALK5; AU017191; ESK2; Tbet; Tbeta; TbetaR-I; TbetaRI; TGFR-1 |
| Summary: | This gene encodes a member of the transforming growth factor beta (TGF-beta) receptor family of proteins. These proteins comprise one component of the TGF-beta signaling pathway, which transduces extracellular signals into gene expression changes to regulate a wide range of cellular responses, including proliferation, migration, differentiation and apoptosis. Homozygous knockout mice for this gene exhibit impaired angiogenesis and embryonic lethality. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015] |