Recombinant Human TGFBR1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TGFBR1-4379H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TGFBR1 MS Standard C13 and N15-labeled recombinant protein (NP_004603) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene forms a heteromeric complex with type II TGF-beta receptors when bound to TGF-beta, transducing the TGF-beta signal from the cell surface to the cytoplasm. The encoded protein is a serine/threonine protein kinase. Mutations in this gene have been associated with Loeys-Dietz aortic aneurysm syndrome (LDAS). Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	55.96 kDa
AA Sequence	MEAAVAAPRPRLLLLVLAAAAAAAAALLPGATALQCFCHLCTKDNFTCVTDGLCFVS VTETTDKVIHNSMCIAEIDLIPRDRPFVCAPSSKTGSVTTTYCCNQDHCNKIELPTTVK SSPGLGPVELAAVIAGPVCFVCISLMLMVYICHNRTVIHHRVPNEEDPSLDRPFISEG TTLKDLIYDMTTSGSGSGLPLLVQRTIARTIVLQESIGKGRFGEVWRGKWRGEEVAV KIFSSREERSWFREAEIYQTVMLRHENILGFIAADNKDNGTWTQLWLVSDYHEHGSL FDYLNRYTVTVEGMIKLALSTASGLAHLHMEIVGTQGKPAIAHRDLKSKNILVKKNGT CCIADLGLAVRHDSATDTIDIAPNHRVGTKRYMAPEVLDDSINMKHFESFKRADIYAM

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	GLVFWEIARRCSIGGIHEDYQLPYYDLVPSDPSVEEMRKVVCEQKLRPNIPNRWQS CEALRVMAKIMRECWYANGAARLTALRIKKTLSQLSQQEGIKMTRTRPLEQKLISEE DLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TGFBR1 transforming growth factor beta receptor 1 [Homo sapiens (human)]
Official Symbol	TGFBR1
Synonyms	TGFBR1; transforming growth factor, beta receptor 1; transforming growth factor, beta receptor I (activin A receptor type II like kinase, 53kD); TGF-beta receptor type-1; activin A receptor type II like kinase; 53kDa; ACVRLK4; ALK 5; tbetaR-I; TGF-beta receptor type I; TGF-beta type I receptor; activin receptor-like kinase 5; transforming growth factor beta receptor I; serine/threonine-protein kinase receptor R4; activin A receptor type II-like kinase, 53kD; activin A receptor type II-like kinase, 53kDa; transforming growth factor-beta receptor type I; activin A receptor type II-like protein kinase of 53kD; transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kD); AAT5; ALK5; MSSE; SKR4; ALK-5; LDS1A; LDS2A; TGFR-1;

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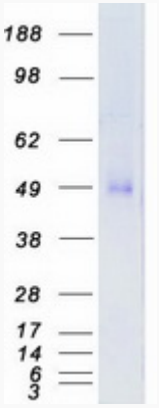
Gene ID	7046
mRNA Refseq	NM_004612
Protein Refseq	NP_004603
MIM	190181
UniProt ID	P36897
SDS-PAGE	

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