

# Recombinant Human transforming growth factor beta receptor 1 Protein, His tagged

Cat. No. TGFBR1-001H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human TGFBR1 Protein (34-125aa) with C-His tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	34-125aa
<b>Description</b>	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.
<b>Tag</b>	C-His
<b>Molecular Mass</b>	11 kDa
<b>AA Sequence</b>	LQCFCHLCTKDNFTCVTDGLCFVSVTETTDKVIHNSMCIAEIDLIPDRPFVCPSSK TGSVTTYCCNQDHCNKIELPTTVKSSPGLGPVEHHHHHHHH
<b>Endotoxin</b>	< 1 EU/μg by LAL

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<b>Purity</b>	> 80% by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	PBS, pH 7.4
<b>Concentration</b>	1.0 mg/mL by BCA

## GENE INFORMATION

<b>Gene Name</b>	TGFBR1 transforming growth factor beta receptor 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	TGFBR1
<b>Synonyms</b>	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
<b>Gene ID</b>	7046
<b>mRNA Refseq</b>	NM_001130916
<b>Protein Refseq</b>	NP_001124388

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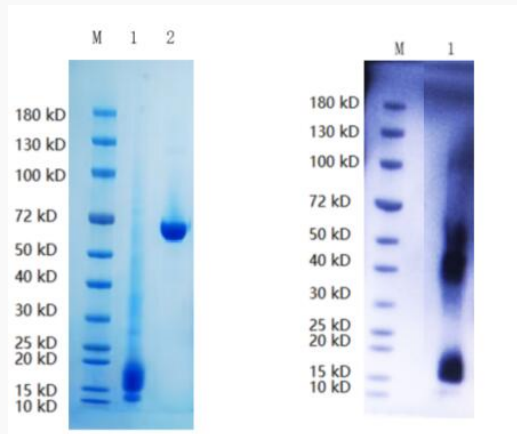
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**MIM** 190181

**UniProt ID** P36897

**Reducing 4%-20%  
SDS-PAGE (CBB  
stained) and WB  
(Anti-His Mouse  
Monoclonal  
antibody) analysis  
profiles of purified  
TGFB1.**



1. TGFB1
2. BSA

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