

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

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

SPECIFICATION

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

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Purity	> 80% by SDS-PAGE
Storage	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.
Storage Buffer	PBS, pH 7.4
Concentration	1.0 mg/mL by BCA
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
Gene ID	7046
mRNA Refseq	NM_001130916
Protein Refseq	NP_001124388

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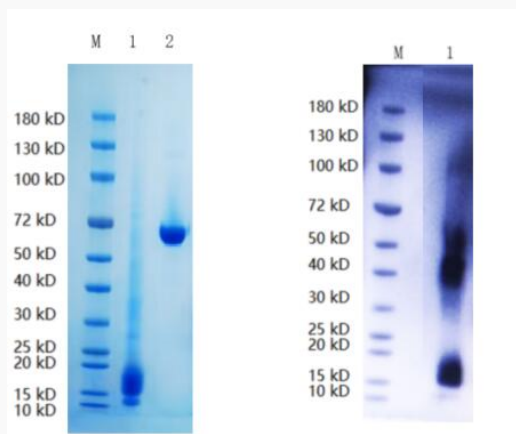
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MIM 190181

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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