

Recombinant Human TGFBR1 protein, His-Avi-tagged

Cat. No. TGFBR1-697H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human TGFBR1 Protein is expressed from mammalian with His Tag and Avi Tag at the C-terminal. It contains Leu34-Glu125.
Species	Human
Source	HEK293
ProteinLength	Leu34-Glu125
Description	<p>TGF-beta RI, also called ALK-5, is an approximately 55 kDa type I transmembrane serine/threonine receptor kinase. It contains a cysteine-rich extracellular domain (ECD), a transmembrane helix, and a C-terminal cytoplasmic kinase domain. Transmembrane serine/threonine kinase forming with the TGF-beta type II serine/threonine kinase receptor, TGFBR2, the non-promiscuous receptor for the TGF-beta cytokines TGFB1, TGFB2 and TGFB3. Transduces the TGFB1, TGFB2 and TGFB3 signal from the cell surface to the cytoplasm and is thus regulating a plethora of physiological and pathological processes including cell cycle arrest in epithelial and hematopoietic cells, control of mesenchymal cell proliferation and differentiation, wound healing, extracellular matrix production, immunosuppression and carcinogenesis.</p>
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 12.9 KDa.

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Endotoxin	Less than 1EU per ug by the LAL method.
Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.
GENE INFORMATION	
Gene Name	TGFBR1
Official Symbol	TGFBR1
Synonyms	AAT5; activin A receptor type II-like kinase, 53kD; activin A receptor type II-like kinase, 53kDa; Activin receptor-like kinase 5; ACVRLK4; ALK-5; ALK-5ALK5; EC 2.7.11; EC 2.7.11.30; LDS1A; LDS2A; Serine/threonine-protein kinase receptor R4; SKR4; tbetaR-I; TGFB1R1; TGF-beta receptor type I; TGF-beta receptor type-1; TGF-beta RI; TGF-beta type I receptor; TGFbetaRI; TGFBR1; TGF-bRI; TGFR-1; transforming growth factor beta receptor I; transforming growth factor, beta receptor 1; transforming growth factor, beta receptor I (activin A receptor type II-likekinase, 53kD); Transforming growth factor-beta receptor type I
Gene ID	7046
mRNA Refseq	NM_001130916.1
Protein Refseq	NP_001124388.1
MIM	190181
UniProt ID	P36897

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