

Datasheet for ABIN5855082

TGFR1 Protein (AA 27-126) (hIgG-His-tag)



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1 Image

Overview

Quantity:	50 µg
Target:	TGFR1
Protein Characteristics:	AA 27-126
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGFR1 protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	LLPGATA LQCFCFLCTK DNFTCVTDGL CFVSVTETTD KVIHNSMCIA EIDLIPDRP FVCAPSSKTG SVTTTYCCNQ DHCNKIELPT TVKSSPGLGP VEL
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	TGFR1
Alternative Name:	TGF-beta RI/ALK-5 (TGFR1 Products)
Background:	TGFR1, also known as TGF-beta receptor type-1 isoform 1, is a single-pass type 1 membrane protein which belongs to the protein kinase superfamily and TGF-beta receptor subfamily. This protein is a secreted protein that performs many cellular functions, including the control of cell

Target Details

growth, cell proliferation, cell differentiation and apoptosis. Also, it plays an important role in controlling the immune system, and shows different activities on different types of cell, or cells at different developmental stages. Defects in TGFBR1 are the cause of Loeys-Dietz syndrome type 1A (LDS1A), Loeys-Dietz syndrome type 2A (LDS2A), and aortic aneurysm familial thoracic type 5 (AAT5). Recombinant human TGFBR1, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

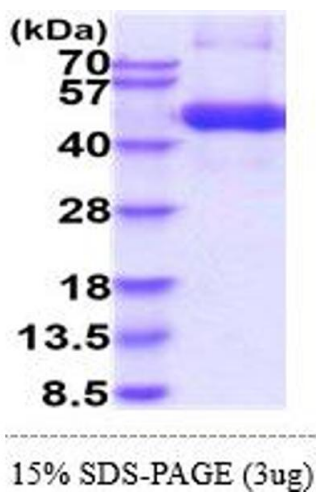
Molecular Weight:	38kDa (342aa)
NCBI Accession:	NP_004603
UniProt:	P36897
Pathways:	Growth Factor Binding

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.