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Datasheet for ABIN7013586

TGFBR2 Protein (AA 23-159) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	TGFBR2
Protein Characteristics:	AA 23-159
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TGFBR2 protein is labelled with His tag.

Product Details

Sequence:	AA 23-159
Characteristics:	Biotinylated Mouse TGF-beta RII / TGFBR2 Protein, His,Avitag™
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TGFBR2
Alternative Name:	TGF-beta RII (TGFBR2 Products)
Background:	TGF-beta receptor type-2 (TGFBR2 or TGFR-2) is also known as TGF-beta type II receptor, Transforming growth factor-beta receptor type II, TbetaR-II, TGFβR2, which is a homodimer or

Target Details

heterohexamer, belongs to the protein kinase superfamily, TKL Ser/Thr protein kinase family and TGFB receptor subfamily. TGFR2 / TGFBR2 binds TGF- β 1 / TGFB1 and TGF- β 3 / TGFB3 with high affinity and TGF- β 2 / TGFB2 with a much lower affinity. This type I receptor forms a heterodimeric complex with type I receptor and is essential for signal transduction. Upon ligand binding, the TGFR2 autophosphorylates its cytoplasmic domain and subsequently phosphorylates the downstream molecules which then enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation.

Molecular Weight: 17.4 kDa

NCBI Accession: [NP_003233](#)

Application Details

Application Notes: MALS verified

Restrictions: For Research Use only

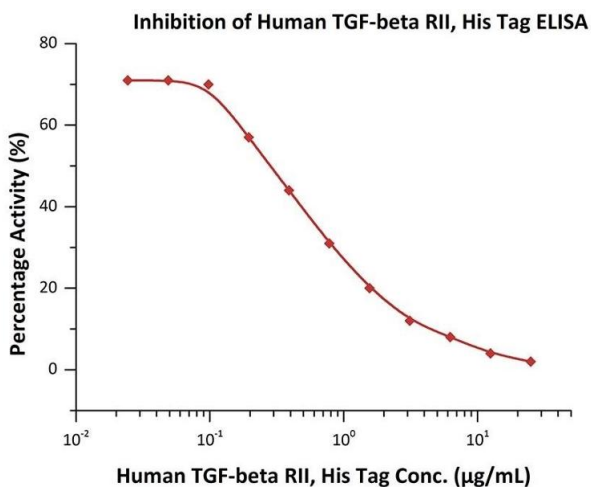
Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

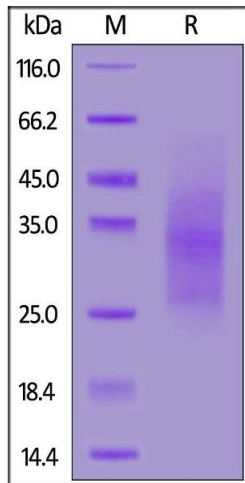
Storage: -20 °C

Images



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Image 1. Serial dilutions of Human RII, His Tag (ABIN6973278) were added into Human Latent TGFB1, His Tag (ABIN4949126, ABIN4949127) : Biotinylated Human RII, His, Avitag (ABIN6973280) binding reactions. The half maximal inhibitory concentration (IC₅₀) is 0.39287 µg/mL (QC tested).



SDS-PAGE

Image 2. Human RII, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .