PRODUCT INFORMATION

Target	TGFBR2
Synonyms	AAT3;FAA3;LDS1B;LDS2;LDS2B;MFS2;RIIC;TAAD2;TBR-ii;TBRII;TGFbeta-RII;TGFR-2
Description	Recombinant human TGFBR2 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P37173
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	TGFBR2(Thr23-Asp159) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 41.6 kDa after removal of the signal peptide. The apparent molecular mass of TGFBR2-hFc is approximately 55-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Yefei_Storage	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein encoded by this gene is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with TGF-beta receptor type-1, and binds TGF-beta. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of genes related to cell proliferation, cell cycle arrest, wound healing, immunosuppression, and tumorigenesis. Mutations in this gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different isoforms have been characterized. [provided by RefSeq, Aug 2017]
Usage	Research use only
Conjugate	Unconjugated

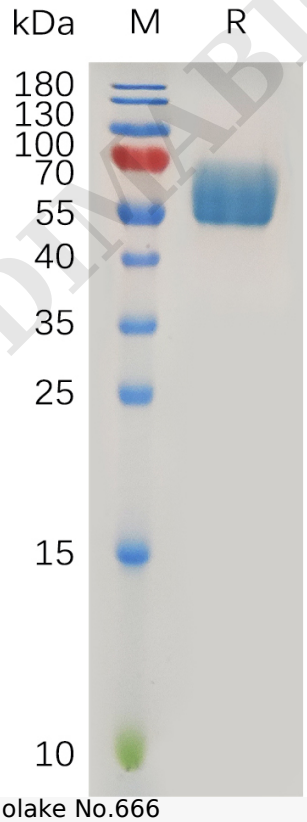

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Figure 1. Human TGFBR2 Protein, hFc Tag on SDS-PAGE under reducing condition.

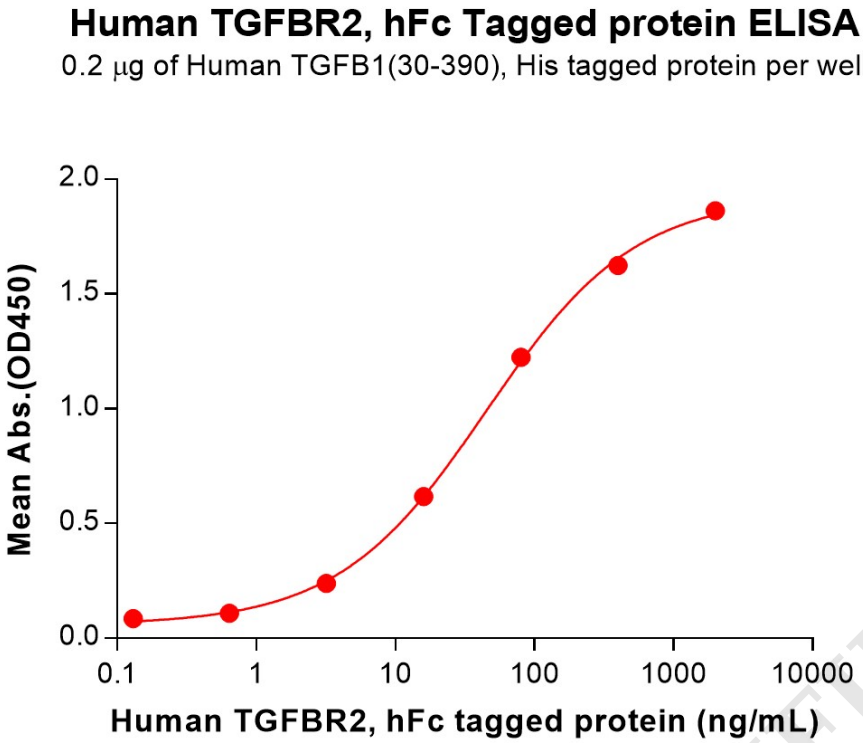

Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human TGFB1(30-390) Protein, His Tag (PME101649) can bind Human TGFBR2 Protein, hFc Tag (PME101017) in a linear range of 3.20–400 ng/mL.

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