

RP00453

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Recombinant Human TGFBR2/TGF-beta receptor type-2 Protein

Catalog No.: RP00453

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	7048	P37173

Tags

C-Fc

Synonyms

AAT3;FAA3;LDS1B;LDS2;LDS2B;MFS2;RII C;TAAD2;TGFR-2;TGFbeta-RII;TGF beta Receptor II;TGFB2; AAT3; FAA3; LDS1B; LDS2; LDS2B; MFS2; RIIC; TAAD2; TGFR-2; TGFbeta-RII; TGF-beta receptor type-2

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH7.2. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein belongs a member of the Ser/Thr protein kinase family and the TGFβ receptor subfamily. The encoded protein is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with another receptor protein, and binds TGF-β. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation. 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.

Basic Information

Description

Recombinant Human TGFBR2/TGF-beta receptor type-2 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Thr23-Asp159) of human TGFBR2/TGF-beta receptor type-2 (Accession #P37173) fused with an Fc tag at the C-terminus.

Bio-Activity

Storage

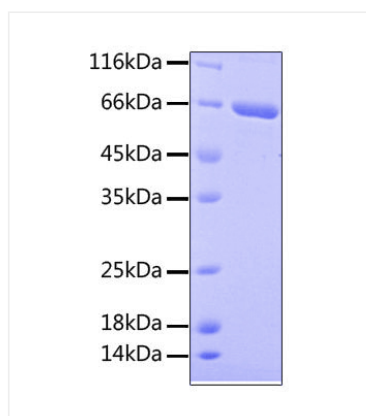
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human TGFBR2/TGF-beta receptor type-2 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 65 kDa.