

Transforming Growth Factor-beta Receptor Type II Active Protein | TGFBR2 active protein

Recombinant Human Transforming Growth Factor-beta Receptor Type II Protein

CATALOG #
AAA174598

HOST
Human Cells

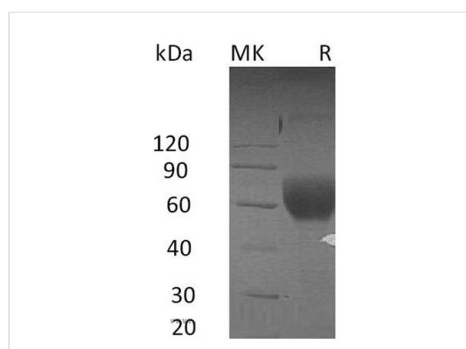
PRODUCT SYNONYMS

Transforming Growth Factor-beta Receptor Type II; Recombinant Human Transforming Growth Factor-beta Receptor Type II Protein; TGF-beta receptor type-2; TGF-beta type II receptor; TGFBR2; Transforming growth factor-beta receptor type II; TGFBR2 active protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.2.
Sequence Length	592
Species	Human
Endotoxin	<1.0 EU per µg as determined by LAL test.
Tag	C-Fc
Expression Host	HEK293 Cells
Sequence	Thr 23-Asp159
Reconstitution	We recommend centrifuging the vial before opening to bring the contents to the bottom. Do not mix by vortex It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL Concentration is measured by UV-Vis
Preparation and Storage	Lyophilized protein should be stored at -20°C to -80°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TGFBR2 active protein	Protein Construction: Recombinant Human Transforming Growth Factor-beta Receptor Type II is produced by our Mammalian expression system and the target gene encoding Thr23-Asp159 is expressed with a Fc tag at the C-terminus. Background: TGFBR2 is a single-pass type I membrane protein and contains one protein kinase domain. TGFBR2 exists as a heterodimeric complex with another receptor protein and binds TGF-beta. Signals triggered through the TGF-beta receptor complex prompt various responses by the cell. One such response is to inhibit cell growth and division. Based on this action, the TGF-beta receptor type 2 is sometimes called a tumor suppressor. Defects in TGFBR2 have been associated with Marfan syndrome, Loeys-Deitz aortic aneurysm syndrome, Osler-Weber-Rendu syndrome and the development of various types of tumors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	67782326
NCBI GeneID	7048
NCBI Accession #	NP_001020018.1
NCBI GenBank Nucleotide #	NM_001024847.2
UniProt Accession #	P37173; Q15580; Q6DKT6; Q99474; B4DTV5
Molecular Weight	Molecular Mass: 42.6kDa Actual Protein Molecular Mass: 59kDa
NCBI Official Full Name	TGF-beta receptor type-2 isoform A
NCBI Official Synonym Full Names	transforming growth factor beta receptor 2
NCBI Official Symbol	TGFBR2
NCBI Official Synonym Symbols	AAT3; FAA3; LDS2; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TBR1I; TBR-ii; TGFR-2; TGFbeta-RII
NCBI Protein Information	TGF-beta receptor type-2
UniProt Protein Name	TGF-beta receptor type-2
UniProt Gene Name	TGFBR2
UniProt Synonym Gene Names	TGFR-2; TGF-beta receptor type II; TbetaR-II

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-active-protein/transforming-growth-factor-beta-receptor-type-ii/174598>