

TGF-beta RII Active Protein | TGF-beta active protein

Recombinant human TGF-beta RII protein

CATALOG # AAA48997	HOST Baculovirus	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

TGF-beta RII; Recombinant human TGF-beta RII protein; TGF-beta receptor type-2 isoform B; TGFBR2; AAT3; FAA3; LDS1B; LDS2; LDS2B; MFS2; RIIC; TAAD2; TGF beta-RII; TGFR-2; TGF-beta receptor type-2; TGF-beta type II receptor; Transforming growth factor-beta receptor type II; TGF-beta active protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	0.5mg/ml (determined by absorbance at 280nm) (varies by lot)
Sequence Positions	23-166aa
Sequence	Thr23 T IPPHVQKSVN NDMIVTDNNG AVKFPQLCKF CDVRFSTCDN QKSCMSNCSI TSICEKPQEV CVAVWRKNDE NITLETVCHD PKLPYHDFIL EDAASPKCIM KEKKKPGETF FMCSCSSEDEC NDNIIFSEFY NTSNPDLLLV IFQ
Applicable Applications for TGF-beta active protein	Bioactivity, SDS-PAGE
Species	Human
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Tag	hIgG-His-Tag
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for TGF-beta active protein	TGFBR2, as known as TGF-beta receptor type-2 isoform B, is a member of the serine and threonine protein kinase family and the TGF beta receptor subfamily. The type-2 receptor binds TGF-beta1 and TGF-beta3 with high affinity, and TGF-beta2 with a much lower affinity. It forms a heterodimeric complex with type1 receptor and is essential for signal transduction. Also, this protein may play an important role in TGF-beta2 binding and signaling in cells lacking TGFBR3. Recombinant human TGFBR2, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Product Categories/Family for TGF-beta active protein	Signal Transduction , Protease inhibitors ; Proteins
References	Wrana JL., et al. (1992) Cell 71:1003-1014. Halper B., et al. (2015) Exerc. Immunol. Rev. 21:154-163.

NCBI AND UNIPROT INFORMATION

NCBI GI #	67782324
NCBI GeneID	7048

NCBI Accession #	NP_003233.4
NCBI GenBank Nucleotide #	NM_003242.5
UniProt Accession #	P37173 ; Q15580 ; Q6DKT6 ; Q99474 ; B4DTV5
Molecular Weight	67,457 Da
NCBI Official Full Name	TGF-beta receptor type-2 isoform B
NCBI Official Synonym Full Names	transforming growth factor, beta receptor II (70/80kDa)
NCBI Official Symbol	TGFBR2
NCBI Official Synonym Symbols	AAT3; FAA3; LDS2; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TGFR-2; TGFbeta-RII
NCBI Protein Information	TGF-beta receptor type-2; tbetaR-II; TGF-beta type II receptor; TGF-beta receptor type IIB; transforming growth factor beta receptor type IIC; transforming growth factor, beta receptor II beta; transforming growth factor, beta receptor II alpha; transform
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
UniProt Entry Name	TGFR2_HUMAN

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://stage.aaabiotech.com/baculovirus-active-protein/tgf-beta-rii/48997>