

Transforming Growth Factor Beta Receptor II Human Recombinant

Item Number	rAP-1719
Synonyms	AAT3, FAA3, MFS2, RIIC, LDS1B, LDS2B, TAAD2, TGFR-2, TGFbeta-RII, TGFBR-2, TGF-beta receptor type-2, Transforming growth factor-beta receptor type II, TGF-beta receptor type II, TGF-beta type II receptor, TbetaR-II, TGFBR2.
Description	TGFBR2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain encoding 133 amino acids (27-159 a.a.), the extracellular domain of TGFBR2, having a molecular mass of 15.1 kDa.TGFBR2 is purified by proprietary chromatographic techniques
Uniprot Accesion Number	P37173
Amino Acid Sequence	HVQK SVNNDMIVTD NNGAVKFPQL CKFCDVRFST CDNQKSCMSN CSITSICEKP QEVCVAVWRK NDENITLETV CHDPKLPYHD FILEDAASPK CIMKEKKKPG ETFFMCSCSS DECNDNIIFS EEEYNTSNPD
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized TGFBR2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGFBR2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a 0.2 µm filtered solution in buffer containing 150mM NaCl & 50mM sodium phosphate buffer pH-7.5. Greater than 97.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TGFBR2 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	In ELISA assay, concentrations 0.5-1µg/ml can be used for TGF-beta measurements
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**