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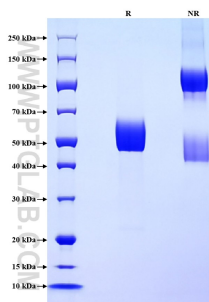
# Recombinant Human TGFBR2 protein (rFc Tag)



Catalog Number: Eg2943

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Human TGFBR2 protein Thr23-Asp159 (Accession# P37173-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p><b>GeneID:</b> 7048</p> <p><b>Accession:</b> P37173-1</p> <p><b>Predicted Molecular Mass:</b> 41.5 kDa</p> <p><b>SDS-PAGE:</b> 48-65 kDa, reducing (R) conditions</p> <p><b>Formulation:</b> Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>TGFBR2 is a serine/threonine kinase and the primary ligand-binding receptor. After binding of the ligand TGF-β1, TGFBR2 forms a heterodimer complex with TGFBR1, causing conformational changes and signal propagation via canonical (SMAD-dependent) and non-canonical (SMAD-independent) routes. Upon translocation into the nucleus, activated SMAD complexes can interact with various transcription factors to control target gene expression.</p>		
References	<ol style="list-style-type: none"><li>1. Battle E., et al. Immunity. 2019;50:924–940.</li><li>2. Derynck R., et al. Nature. 2003;425:577–584.</li></ol>		
Synonyms	TGFBR2, EC:2.7.11.30, TbetaR-II, TGF beta receptor type 2, TGF-beta receptor type II		

## Selected Validation Data



Purity of Recombinant Human TGFBR2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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