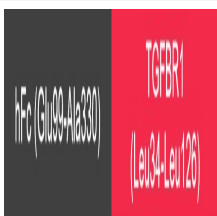
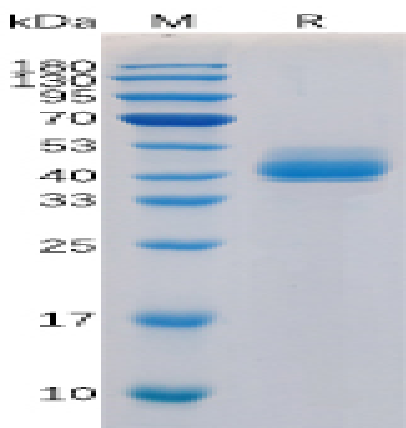


## Product information

Catalog Number	PME100103
Description	Recombinant human TGFBR1 Protein with N-Human Fc tag
Synonyms	AAT5, ACVRLK4, ALK-5, ALK5, ESS1, LDS1, LDS1A, LDS2A, MSSE, SKR4, tbetaR-I, TBR-i, TBRI, TGFR-1
Delivery	In Stock
Uniprot ID	P36897
Expression Host	HEK293
Tag	N-Human Fc tag
Molecular Characterization	
Molecular Weight	The protein has a predicted molecular mass of 36.3 kDa after removal of the signal peptide. The apparent molecular mass of hFc-TGFBR1 is approximately 40-53 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Storage	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Usage	Research use only
Images	 <p><b>Figure 1.</b> Human TGFBR1 Protein, hFc Tag on SDS-PAGE under reducing condition.</p>
Background	The protein encoded by this gene forms a heteromeric complex with type II TGF-beta receptors when bound to TGF-beta, transducing the TGF-beta signal from the cell surface to the cytoplasm. The encoded protein is a serine/threonine protein kinase. Mutations in this gene have been associated with Loeys-Dietz aortic aneurysm syndrome (LDAS). Multiple transcript variants encoding different isoforms have been found for this gene.

