

PRODUCT INFORMATION

TGFBR1 Target

AAT5;ACVRLK4;ALK-5;ALK5;ESS1;LDS1;LDS1A;LDS2A;MSSE;SKR4;tbetaR-I;TBR-i;TBRI;TGFR-1 Synonyms

Description Recombinant human TGFBR1 protein with C-terminal Human Fc tag

Delivery P36897 **Uniprot ID** HEK293 **Expression Host** Tag

Purity

C-Human Fc Tag

Molecular Characterization TGFBR1(Leu34-Leu126) hFc(Glu99-Ala330)

The protein has a predicted molecular mass of 36.3 kDa after removal of the signal peptide. The apparent molecular mass of TGFBR1-hFc is approximately 35-40 kDa due to glycosylation. **Molecular Weight**

gycosylation.
The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
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 of reconstitution.

Formulation & Reconstitution

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. Storage & Shipping

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. **Background**

Usage Research use only Unconjugated Conjugate

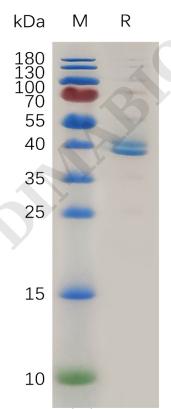


Figure 1. Human TGFBR1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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