

## 32-13009: TGFBR1 Human

**Alternative Name :** TGFBR1, AAT5, ACVRLK4, ALK-5, ALK5, ESS1, LDS1, LDS1A, LDS2A, MSSE, SKR4, tbetaR-I, TGFR-1.

### Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

TGFBR1 is a single-pass type 1 membrane protein which is a part of the TGFBR receptor subfamily and the protein kinase superfamily. TGFBR1 is a secreted protein that performs many cellular functions such as the control of cell growth, cell differentiation, cell proliferation and apoptosis. TGFBR1 also controls the immune system and shows different activities on various types of cell, or cells at different developmental stages.

TGFBR1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 342 amino acids (27-126a.a.) and having a molecular mass of 38.0kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). TGFBR1 is expressed with a 242 amino acid HlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** TGFBR1 protein solution (0.5mg/ml) Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** ADLLLPGATA LQCFCHLCTK DNFTCVTDGL CFVSVTETTD KVIHNSMCIA EIDLIPRDRP FVCAPSSKTG SVTTTYCCNQ DHCNKIELPT TVKSSPGLGP VELVEPKSCD KTHTCP PCA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVS NKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQ PENNY KTT PPVLDSG GSFFLYSKLT VDKSRWQGN VFSCVMHEA LHNHYTQKSL SLSPGKHHHH HH.