
Product Data Sheet

Product Name: TGFBR1 Human

Cat. No.: GP22636

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TGFBR1; AAT5; ACVRLK4; ALK-5; ALK5; ESS1; LDS1; LDS1A; LDS2A; MSSE; SKR4; tbetaR-I; TGFR-1.		
Amino Acid Sequence	ADLLLPGATA LQCFCHLCTK DNFTCVTDGL CFVSVTETTD KVIHNSMCIA EIDLIPRDRP FVCAPSSKTG SVTTYCCNQ DHCNKIELPT TVKSSPGLGP VELVEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNAKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQGPENNY KTTTPVLDSG GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH.		
Formulation	TGFBR1protein solution (0.5mg/ml) Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.		

Introduction

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.

Stability

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.

Background

TGFBR1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain

Caution: Product has not been fully validated for medical applications. For research use only.

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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).TGFBR1is expressed with a 242 amino acid hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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