Transforming Growth Factor-Beta 2 Recombinant Protein | TGF b 2 recombinant protein

Recombinant Human Transforming Growth Factor-Beta 2

CATALOG #	HOST
AAA38206	**Nicotiana benthamiana**

PRODUCT SYNONYMS

Transforming Growth Factor-Beta 2; Recombinant Human Transforming Growth Factor-Beta 2; TGFB2 Human; Transforming Growth Factor Beta 2 Human Recombinant; Transforming growth factor; beta 2; cetermin; Glioblastoma-derived T-cell suppressor factor; polyergin; G-TSF; TGF-beta2; TGF-beta-2; transforming growth factor beta-2; BSC-1 cell growth inhibitor; TGFB-2; TGF b 2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Nicotiana benthamiana
Purity/Purification	Greater than 97.0% as determined by SDS-PAGE.
Form/Format	Lyophilized from a concentrated (1mg/ml) solution containing 50mM Tris-HCl pH-7.4. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	HHHHHH ALDAAYCFRN VQDNCCLRPL YIDFKRDLGW KWIHEPKGYN ANFCAGACPY LWSSDTQHSR VLSLYNTINP EASASPCCVS QDLEPLTILY YIGKTPKIEQ LSNMIVKSCK CS
Sequence Length	442
Solubility	It is recommended to reconstitute the lyophilized TGFB2 in sterile 18M-cm H2O not less than 1 ug/40 ul, which can then be further diluted to other aqueous solutions.
Preparation and Storage	Lyophilized TGFB2 although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution TGFB2 Human should be stored at 4 degree C between 2-7 days and for future use below -18 degree C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for TGF b 2 recombinant protein	**Description:** TGFB2 Human Recombinant produced in plants is a homodimeric polypeptide chain containing 2 x 118 amino acids and having a total molecular mass of 27.08kDa. The TGFB2 is fused to 6xHis Tag at N-terminus and purified by proprietary chromatographic techniques. **Introduction:** TGFB2 is a 27.08 kDa protein having two identical 118 amino acid peptide chains linked by a single disulfide bond. TGFB2 is part of a family of five related cytokines that have an extensive variation of normal and neoplastic cells, indicating the importance of these homo-dimmer proteins as multi-functional regulators of cellular activity. The three mammalian isoforms of TGF-beta (TGFb1, TGFb2 and TGFb3) signal through the same receptor and stimulate similar biological responses. They are involved in physiological processes as embryogenesis, tissue remodelling and wound healing.
Product Categories/Family for TGF b 2 recombinant protein	Cytokines and Growth Factors; Growth Factors; Transforming Growth Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	208022653
NCBI GeneID	7042
NCBI Accession #	NP_001129071.1

NCBI GenBank Nucleotide #	NM_001135599.2
UniProt Accession #	P61812; P08112; Q15579; Q15581; Q4VAV9; B4DKC5
Molecular Weight	50,573 Da
NCBI Official Full Name	transforming growth factor beta-2 isoform 1
NCBI Official Synonym Full Names	transforming growth factor, beta 2
NCBI Official Symbol	TGFB2
NCBI Official Synonym Symbols	LDS4; TGF-beta2
NCBI Protein Information	transforming growth factor beta-2; BSC-1 cell growth inhibitor; G-TSF; cetermin; glioblastoma-derived T-cell suppressor factor; polyergin; prepro-transforming growth factor beta-2
UniProt Protein Name	Transforming growth factor beta-2
UniProt Gene Name	**TGFB2**
UniProt Synonym Gene Names	TGF-beta-2; G-TSF; LAP
UniProt Entry Name	TGFB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/tgfb2-recombinant-protein/38206