

Transforming Growth Factor-Beta 3 Active Protein | TGF b 3 active protein

Recombinant Human Transforming Growth Factor-Beta 3

CATALOG # AAA38178	HOST E Coli
------------------------------	-----------------------

PRODUCT SYNONYMS

Transforming Growth Factor-Beta 3; Recombinant Human Transforming Growth Factor-Beta 3; TGF b 3 Human; Transforming Growth Factor-Beta 3 Human Recombinant; Transforming Growth Factor-beta3; TGFB3; ARVD; FLJ16571; TGF-beta3; TGF b 3 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 96.0% as determined by SDS-PAGE.
Form/Format	The protein solution contains 20% Ethanol and 0.12% Acetic acid. Sterile Filtered clear solution.
Sequence	MALDTNYCFR NLEENCCVRP LYIDFRQDLG WKWVHEPKG YANFCSGPCP YLRSADTTTHS TVLGLYNTLN PEASASPCCV PQDLEPLTIL YYVGRTPKVE QLSNMVVKSC KCS
Sequence Length	412
Protein Content	Protein quantitation was carried out by two independent methods:1. UV spectroscopy at 280 nm using the absorbency value of 1.718 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a calibrated solution of TGF-b 3 as a Reference Standard.
Biological Activity	The activity is determined by the ability to induce chondrogenic differentiation.
Preparation and Storage	TGF-beta 3 although stable at room temperature for 3 weeks, should be stored at 4 degree C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

ADDITIONAL INFORMATION

Related Product Information for TGF b 3 active protein	Description: TGF-beta 3 Human Recombinant produced in E Coli is a disulfide-linked homodimeric, non-glycosylated, polypeptide chain containing two 112 amino acid chains and having a total molecular mass of 25.5kDa. The TGF-b 3 is purified by standard chromatographic techniques. Introduction: Transforming growth factor betas (TGF Betas) mediate many cell-cell interactions that occur during embryonic development. Three TGF Betas have been identified in mammals. TGF Beta 1, TGF Beta 2 and TGF Beta 3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecule.
Product Categories/Family for TGF b 3 active protein	Cytokines and Growth Factors; Growth Factors; Transforming Growth Factor

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507465
NCBI GeneID	7043
NCBI Accession #	NP_003230.1
NCBI GenBank Nucleotide #	NM_003239.3

UniProt Accession #	P10600; Q8WV88
Molecular Weight	35,708 Da
NCBI Official Full Name	transforming growth factor beta-3 preproprotein
NCBI Official Synonym Full Names	transforming growth factor, beta 3
NCBI Official Symbol	TGFB3
NCBI Official Synonym Symbols	ARVD; RNHF; ARVD1; TGF-beta3
NCBI Protein Information	transforming growth factor beta-3; TGF-beta-3; prepro-transforming growth factor beta-3
UniProt Protein Name	Transforming growth factor beta-3
UniProt Gene Name	TGFB3
UniProt Synonym Gene Names	TGF-beta-3; LAP
UniProt Entry Name	TGFB3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/e-coli-tgf-b-3-active-protein/transforming-growth-factor-beta-3/38178>