Transforming Growth Factor-Beta 2 (TGF BETA2) Active Protein

PRODUCT OVERVIEW

Product Name	Transforming Growth Factor-Beta 2 (TGF Beta2), Active Protein
Full Product Name	Transforming Growth Factor-Beta 2, Recombinant Protein
Product Gene Name	TGF Beta2 active protein
Sequence	HHHHHHALDA AYCFRNVQDN CCLRPLYIDF KRDLGWKWIH EPKGYNANFC AGACPYLWSS DTQHSRVLSL YNTINPEASA S PCCVSQDLEP LTI LYYIGKTPKI EQLSNMIVKS CKCS
Host	Nicotiana benthamiana
Form/Format	Lyophilized from a concentrated (1mg/ml) solution containing 50mM Tris-HCl pH-7.4.
Purity/Purification	Greater than 97.0% as determined by SDS-PAGE.
Preparation and Storage	Lyophilized TGFB2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TGFB2 Human should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Active Protein Note	Protein activity can be an ambiguous term. Please refer to the data sheet or inquire with Technical Support to determine the definition of activity for this product.
Biological Activity	The biological activity of TGFB2 is measured in culture by its ability to inhibit the mink lung epithelial (Mv1Lu) cells proliferation. ED_{50} < 40ng/ml, corresponding to a specific activity of 25,000 units/mg.
Reconstitution	It is recommended to reconstitute the lyophilized TGFB2 in sterile 18M?-cm H2O not less than 1ug/40ul, which can then be further diluted to other aqueous solutions.
Product Categories/Family for TGF Beta2 active protein	Proteins; Growth/Differentiation Factors and Small Molecules; Stem Cell Research Proteins; Transforming Growth Factors (TGFs); TGF Beta2
Related Product Information for TGF Beta2 active protein	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.
Other Notes	Small volumes of TGF Beta2 active protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TGF Beta2 purchase	MBS555435 is an active protein targeting TGF Beta2. Also known as Transforming Growth Factor-Beta 2, Recombinant Protein. Host: Nicotiana benthamiana.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TGF Beta2. It may not necessarily be applicable to this product.

NCBI GI #	198443945
NCBI GeneID	421352
NCBI Accession #	ACH88155.1
UniProt Related Accession #	P30371
NCBI Official Full Name	TGF beta2, partial
NCBI Official Synonym Full Names	transforming growth factor, beta 2

NCBI Official Symbol	TGFB2
NCBI Official Synonym Symbols	TGF-beta-2
UniProt Protein Name	Transforming growth factor beta-2
Protein Family	Transforming growth factor
UniProt Gene Name	TGFB2
UniProt Synonym Gene Names	TGF-beta-2; LAP
UniProt Entry Name	TGFB2_CHICK
NCBI Protein Information	transforming growth factor beta-2
UniProt Comments for TGF Beta2	TGF-beta 2 has suppressive effects on interleukin-2 dependent T-cell growth.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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