T-Box Transcription Factor TBX22 (TBX22) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	T-box transcription factor TBX22 (TBX22), Recombinant Protein
Full Product Name	Recombinant Human T-box transcription factor TBX22 (TBX22)
Product Gene Name	TBX22 recombinant protein
Product Synonym Gene Name	TBX22
Sequence	MALSSRARAF SVEALVGRPS KRKLQDPIQA EQPELREKKG GEEEEERRSS AAGKSEPLEK QPKTEPSTSA SSGCGSDSGY GNSSESLEEK DIQMELQGSE LWKRFHDIGT EMIITKAGRR MFPSVRVKVK GLDPGKQYHV AIDVVPVDSK RYRYVYHSSQ WMVAGNTDHL CIIPRFYVHP DSPCSGETWM RQIISFDRMK LTNNEMDDKG HIILQSMHKY KPRVHVIEQG SSVDLSQIQS LPTEGVKTFS FKETEFTTVT AYQNQQITKL KIERNPFAKG FRDTGRNRGV LDGLLETYPW RPSFTLDFKT FGADTQSGSS GSSPVTSSGG APSPLNSLLS PLCFSPMFHL PTSSLGMPCP EAYLPNVNLP LCYKICPTNF WQQQPLVLPA PERLASSNSS QSLAPLMMEV PMLSSLGVTN SKSGSSEDSS DQYLQAPNST NQMLYGLQSP GNIFLPNSIT PEALSCSFHP SYDFYRYNFS MPSRLISGSN HLKVNDDSQV SFGEGKCNHV HWYPAINHYL
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	44,718 Da
Sequence Positions	1-520, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	300307
3D Structure	ModBase 3D Structure for Q9Y458
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TBX22 recombinant protein	This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. Mutations in this gene have been associated with the inherited X-linked disorder, Cleft palate with ankyloglossia, and it is believed to play a major role in human palatogenesis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of TBX22 recombinant 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 TBX22 purchase	MBS1317241 is a recombinant protein targeting TBX22. Also known as Recombinant Human T-box transcription factor TBX22 (TBX22). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TBX22. It may not necessarily be applicable to this product.

NCBI GI #	158187509
NCBI GeneID	50945
NCBI Accession #	NP_001103348.1
UniProt Primary Accession #	Q9Y458
UniProt Secondary Accession #	Q5JZ06; Q96LC0; Q9HBF1
UniProt Related Accession #	Q9Y458
GenBank Nucleotide #	NM_001109878.1
NCBI Official Full Name	T-box transcription factor TBX22 isoform 1
NCBI Official Synonym Full Names	T-box 22
NCBI Official Symbol	TBX22
NCBI Official Synonym Symbols	CPX; CLPA; TBXX; ABERS; dJ795G23.1
UniProt Protein Name	T-box transcription factor TBX22
Protein Family	T-box transcription factor
UniProt Gene Name	TBX22
UniProt Synonym Gene Names	TBOX22; T-box protein 22
NCBI Protein Information	T-box transcription factor TBX22
UniProt Comments for TBX22	Probable transcriptional regulator involved in developmental processes. This is major determinant crucial to palatogenesis.
Research Articles on TBX22	**1.** we analysed two TBX22 promoter rs7055763 and rs41307258 single-nucleotide polymorphisms (SNPs) in 173 patients with NSCLP and 176 normal controls of south Indian origin using Kbioscience KASPar chemistry
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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