



Recombinant Rat T-box transcription factor TBX3 (Tbx3)

Product Code	CSB-EP756040RA
Abbreviation	Tbx3
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q7TST9
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	MSLSMRDPVI PGTSMAYHPF LPHRAPDFAM SAVLGHQPPF FPALTLPNG AAALSLPGAL AKPIMDQLVG AAETGIPFSS LGPQAHLRPL KTMEPEEDVE DDPKVHLEAK ELWDQFHKRG TEMVITKSGR RMFPPFKVRC SGLDKKAKYI LLMDIIAADD CRYKFHNSRW MVAGKADPEM PKRMYIHPDS PATGEQWMSK VVTFHKLKLT NNISDKHGFT LAFPSDHATW QGNYSFGTQT ILNSMHKYQP RFHIVRANDI LKLPYSTFRT YLFPETEFIA VTAYQNDKIT QLKIDNNPFA KGFRDTGNR REKRKQLTLQ SMRVFDERHK KETGTSDESS SEQAAFNCFA QASSPAVSTV GTSNLKDLCP SEAESDAEAE SKEEHGPEAC DTAKISTTTA EEPGRDKGSP ATRAQLFPAE PSRARDTARL DKASPDSRHS PATISSSTRV PGADEHRSPG REGPVSAKVD EARALPAKDA FAPLSVQTD TAHLTQGGLP GLGFAPLAG QQFFNGHPLF LHPGQFAMGG AFSSMAAGMG PLLATVSGAS TGVSGLDSTA MASAAAQGL SGASAATLPF HLQQHVLAHQ GLAMSPFGSL FPYPYTYMAA AAAASSAAAAS SSVHRHPFLN LNSMRPRLRY SPYSIPVVPV DSSLLATAL PSMASAAGPL DGKSAVLAAS PASVAVDSGS ELNSRSSTLS SGSVSLSPKL CSEKEAATSE LQSIQRLVSG LEAKPDRSCS GSP
Source	E.coli
Target Names	Tbx3
Protein Names	Recommended name: T-box transcription factor TBX3 Short name= T-box protein 3
Expression Region	1-743
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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. This protein is a transcriptional repressor and is thought to play a role in the anterior/posterior axis of the tetrapod forelimb. Mutations in this gene cause ulnar-mammary syndrome, affecting limb, apocrine gland, tooth, hair, and genital development. Alternative splicing of this gene results in three transcript variants encoding different isoforms; however, the full length nature of one variant has not been determined.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.