



Recombinant Human T-box transcription factor TBX4 (TBX4)

Product Code	CSB-EP023256HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P57082
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MLQDKGLSES EEAFRAPGPA LGEASAAANAP EPALAAPGLS GAALGSPPGP GADVVA AAAA EQTIENIKVG LHEKELWKKF HEAGTEMIIT KAGRRMFPSY KVKVTGMNPK TKYILLIDIV PADDHRYKFC DNKWMVAGKA EPAMPGRILYV HPDSPATGAH WMRQLVSFQK LKLTNNHLDP FGHIILNSMH KYQPRLHIVK ADENNAFGSK NTAFC THVFP ETSFISVTSY QNHKITQLKI ENNPFAGKFR GSDDSDLRVA RLQSKEYPVI SKSIMRQR LI SPQLSATPDV GPLLGTHQAL QHYQHENG AH SQAEPQDLP LSTFPTQRDS SLFYHCLKRR DGTRHLDLPC KRSYLEAPSS VGEDHYFRSP PPYDQQMLSP SYCSEVTPRE ACMYSGSGPE IAGVSGVDDL PPPPLSCNMW TSVSPYTSYS VQTMETVPYQ PFPHTFTATT MMPRLPTLSA QSSQPPGNAH FSVYNQLSQS QVRERGPSAS FPRERGLPQG CERKPPSPHL NAANFLYSQ TFSLSRESSL QYHSGMGTV E NWT DG
Source	E.coli
Target Names	TBX4
Protein Names	Recommended name: T-box transcription factor TBX4 Short name= T-box protein 4
Expression Region	1-545
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 gene is the human homolog of mouse Tbx4, which is closely linked to Tbx2 on mouse chromosome 11. Similarly this gene, like TBX2, maps to human chromosome 17. Expression studies in mouse and chicken show that Tbx4 is expressed in developing hindlimb, but not in forelimb buds, suggesting a role for this gene in regulating limb development and specification of limb identity.
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.