



# Recombinant Human Transcription factor 12 (TCF12)

<b>Product Code</b>	CSB-EP023293HU-B
<b>Abbreviation</b>	TCF12
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q99081
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MNPQQQRMAA IGTDKELSDL LDFSAMFSPV VNSGKTRPTT LGSSQFSGSG IDERGGTTSW GTSGQPSPSY DSSRGFTDSP HYSDHLNDSR LGAHEGLSPT PFMNSNLMGK TSERGSFSLY SRDTGLPGCQ SLLRQDLGL GSPAQLSSSG KPGTAYYSFS ATSSRRRPLH DSAALDPLQA KKVRKVPPGL PSSVYAPSPN SDDFNRESPT YPSPKPPTSM FASTFFMQDG THNSSDLWSS SNGMSQPGFG GILGTSTSHM SQSSSYGNLH SHDRLSYPPH SVSPTDINTS LPPMSSFHRG STSSSPYVAA SHTPPINGS D SILGTRGNAA GSSQTGDALG KALASIYSPD HTSSSFPSNP STPVGSPSPL TGTSQWPRPG GQAPSSPSYE NSLHSLQSRM EDRLDRLDDA IHVLRNHAVG PSTSLPAGHS DIHSLGSPH NAPIGSLNSN YGGSSLVASS RSASMVGTHR EDSVSLNGNH SVLSSTVTTT STDLNHKTQE NYRGGLQSQS GTVVTEIKT ENKEKDENLH EPPSSDDMKS DDESSQKDIK VSSRGRTSST NEDEDLNPEQ KIEREKERRM ANNARERLRV RDINEAFKEL GRMCQLHLKS EKPQTKLLIL HQAVAVILSL EQQVRERLNL PKAACLRRE EEKVSASVAE PPTTLPGTHP GLSETTNPMG HM
<b>Source</b>	E.coli
<b>Target Names</b>	TCF12
<b>Protein Names</b>	Recommended name: Transcription factor 12 Short name= TCF-12 Alternative name(s): Class B basic helix-loop-helix protein 20 Short name= bHLHb20 DNA-binding protein HTF4 E-box-binding protein Transcription factor HTF-4
<b>Expression Region</b>	1-682
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This protein is a member of the basic helix-loop-helix (bHLH) E-protein family that recognizes the consensus binding site (E-box) CANNTG. This encoded protein is expressed in many tissues, among them skeletal muscle, thymus, B-



and T-cells, and may participate in regulating lineage-specific gene expression through the formation of heterodimers with other bHLH E-proteins. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants 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.