



Recombinant Human Transcription factor 12 (TCF12)

Product Code	CSB-EP023293HU
Abbreviation	TCF12
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.	Q99081
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MNPQQQRMAA IGTDKELSDL LDFSAMFSPV VNSGKTRPTT LGSSQFSGSG IDERGGTTSW GTSGQPSPSY DSSRGFTDSP HYSDHLNDSR LGAHEGLSPT PFMNSNLMGK TSERGSFSLY SRDTGLPGCQ SLLRQDLGL GSPAQLSSSG KPGTAYYSFS ATSSRRRPLH DSAALDPLQA KKVRKVPPGL PSSVYAPSPN SDDFNRESPTS YPSKPPTSM FASTFFMQDG THNSSDLWSS SNGMSQPGFG GILGTSTSHM SQSSSYGNLH SHDRLSYPPH SVSPTDINTS LPPMSSFHRG STSSSPYVAA SHTPPINGS D SILGTRGNAA GSSQTGDALG KALASIYSPD HTSSSFPSNP STPVGSPSPL TGTSQWPRPG GQAPSSPSYE NSLHSLQSRM EDRLDRLDDA IHVLRNHAVG PSTSLPAGHS DIHSLGPPH NAPIGSLNSN YGGSSLVASS RSASMVGTHR EDSVSLNGNH SVLSSTVTTT STDLNHKTQE NYRGGLQSQS GTVVTTTEIKT ENKEKDENLH EPPSSDDMKS DDESSQKDIK VSSRGRTSST NEDEDLNPEQ KIEREKERRM ANNARERLRV RDINEAFKEL GRMCQLHLKS EKPQTKLLIL HQAVAVILSL EQQVRERNLN PKAACLRRE EEKVSASVAE PPTTLPGTHP GLSETTNPMPG HM
Source	E.coli
Target Names	TCF12
Protein Names	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
Expression Region	1-682
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 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.