



# Recombinant Human Transcription factor 4 (TCF4)

<b>Product Code</b>	CSB-EP023302HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P15884
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MHHQQRMAAL GTDKELSDLL DFSAMFSPPV SSGKNGPTSL ASGHFTGSNV EDRSSSGSWG NGGHPSPSRN YGDGTPYDHM TSRDLGSHDN LSPPFVNSRI QSKTERGSYS SYGRESNLQG CHQQSLLGGD MDMGNPGTLS PTKPGSQYYQ YSSNNPRRRP LHSSAMEVQT KKVRKVPPGL PSSVYAPSAS TADYNRDSPG YPSSKPATST FPSSFFMQDG HHSSDPWSSS SGMNQPGYAG MLGNSSHIPQ SSSYCSLPHH ERLSYPSSHSS ADINSSLPPM STFHRSGTNH YSTSSCTPPA NGTDSIMANR GSGAAGSSQT GDALGKALAS IYSPDHTNNS FSSNPSTPVG SPPSLSAGTA VWSRNGGQAS SSPNYEGLPH SLQSRIEDRL ERLDDAIHVL RNHAVGPSTA MPGGHGDMHG IIGPSHNGAM GGLGSGYGTG LLSANRHSLM VGTHREDGVA LRGSHSLLPN QVPVPLPVQ SATSPDLNPP QDPYRGMPPG LQGQSVSSGS SEIKSDDEGD ENLQDTKSSE DKKLDDDKKD IKSITSNDD EDLTPQKAE REKERRMANN ARERLRVRI NEAFKELGRM VQLHLKSDKP QTKLLILHQA VAVILSLEQQ VRERLNPKA ACLKRREEEK VSSEPPPLSL AGPHPGMGDA SNHMGQM
<b>Source</b>	E.coli
<b>Target Names</b>	TCF4
<b>Protein Names</b>	Recommended name: Transcription factor 4 Short name= TCF-4 Alternative name(s): Class B basic helix-loop-helix protein 19 Short name= bHLHb19 Immunoglobulin transcription factor 2 Short name= ITF-2 SL3-3 enhancer facto
<b>Expression Region</b>	1-667
<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 gene encodes transcription factor 4, a basic helix-turn-helix transcription factor. The encoded protein recognizes an Ephrussi-box ( E-box ) binding site ( CANNTG ) - a motif first identified in immunoglobulin enhancers. This gene is expressed predominantly in pre-B-cells, although it is found in other tissues as well. Defects in this gene are a cause of Pitt-Hopkins syndrome. Multiple alternatively spliced transcript variants that encode different proteins have been described.
<b>Reconstitution</b>	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.