



Recombinant Human Transcription factor 7-like 2 (TCF7L2), partial

Product Code	CSB-EP889079HU
Relevance	Participates in the Wnt signaling pathway and modulates MYC expression by binding to its promoter in a sequence-specific manner. Acts as repressor in the absence of CTNNB1, and as activator in its presence. Activates transcription from promoters with several copies of the Tcf motif 5'-CCTTTGATC-3' in the presence of CTNNB1. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by TCF7L2/TCF4 and CTNNB1. Expression of dominant-negative mutants results in cell-cycle arrest in G1. Necessary for the maintenance of the epithelial stem-cell compartment of the small intestine.
Abbreviation	Recombinant Human TCF7L2 protein, partial
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.	Q9NQB0
Alias	HMG box transcription factor 4 T-cell-specific transcription factor 4 Short name: T-cell factor 4 Short name: TCF-4 Short name: hTCF-4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MPQLNGGGGDDLGANDELISFKDEGEQEEKSSENSSAERDLADV KSSLVNES ETNQNSSSDSEAERRPPPRSESFRDKSRESLEEAAKRQDGGLFKGPPYPGYP FIMIPDLTSPYLPNGSLSPARTLHFQSGSTHYSAYKTIEHQIAVQYLQMKWPLL DVQAGSLQSRQALKDARSPSPAIVSNKVPVQHPHHVHPLTPLITYSNEHFT PGNPPPHLPADVDPKTGIPRPPHPPDISPYPLSPGTVGQIPHPLGWLVPQQG QPVPYPITGGFRHPYPTALTVNASMSRFPPHMPVPHHTLHTTGIPHPAIVTPTV KQESSQSDVGSLHSSKHQDSKKEEEKKKPHIKKPLNAFMLYMKEMRAKVVAE CTLKESAAINQILGRRWHALSREEQAKYYELARKERQLHMQLYPGWSARDNY GKKKKRKRDKQPGETNEHSECFLNPCLSLPPIT
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	TCF7L2
Protein Names	Recommended name: Transcription factor 7-like 2 Alternative name(s): HMG box transcription factor 4 T-cell-specific transcription factor 4 Short name= T-cell factor 4 Short name= TCF-4 Short name= hTCF-4
Expression Region	1-456aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

Tag Info

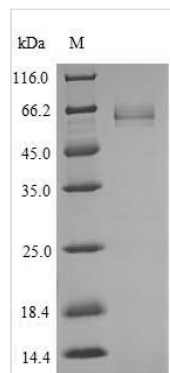
N-terminal 6xHis-tagged

Mol. Weight

54.9kDa

Protein Length

Partial

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.