

## 32-5052: Recombinant Human Transcription Factor 4

**Alternative Name :** Transcription factor 4,TCF-4,Class B basic helix-loop-helix protein 19,Immunoglobulin transcription factor 2,SL3-3 enhancer factor 2,TCF4,bHLHb19,E2-2,ITF-2,ITF2,PTHS,SEF-2,SEF2,SEF2-1,SEF2-1A,SEF2-1B.

### Description

Source : Escherichia Coli. TCF4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 530 amino acids (1-507) and having a molecular mass of 56.6 kDa.TCF4 is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Transcription Factor 4 (TCF4) acts as a transcription factor and takes part in the initiation of neuronal differentiation. TCF4 recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif primary identified in immunoglobulin enhancers. TCF4 is mainly expressed in pre-B-cells, even though it is present in other tissues as well.

### Product Info

**Amount :** 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** The TCF4 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.1M NaCl.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMKFKQCR CSDTGLCCLD HEGKAEVYAP SASTADYNRD SPGYSSKPA TSTFPSSFFM QDGHHSDDPW SSSSGMNQPG YAGMLGNSSH IPQSSSYCSL HPERLSYPS HSSADINSSL PPMSTFHRSG TNHYSTSSCT PPANGTDSIM ANRSGAAGS SQTGDALGKA LASIYSPDHT NNSFSSNPST PVGSPPSLSA GTAVWSRNGG QASSSPNYEG PLHSLQSRIE DRLERLDDAI HVLRNHAVGP STAMPGGHGD MHGIIGPSHN GAMGGLGSGY GTGLLSANRH SLMVGTRED GVALRGSHSL LPNQVPVPQL PVQSATSPDL NPPQDPYRGM PPGLQGQSVS SGSEIKSDD EGDENLQDTK SSEDKKLDDD KDKISITSN NDDEDLTPEQ KAEREKERRM ANNARERLRV RDINEAFKEL GRMVQLHLKS DKPQTKLLIL HQAVAVILSL EQQVRERNLN PKAACLRRE EEKVSSEPPP LSLAGPHPGM GDASNHMGQM.

