

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 SGLVPRGSH MGSMKFKQCR CSDTGLCCLD HEGKAEVYAP SASTADYNRD SPGYSSSKPA TSTFPSSFFM QDGHSSDPW SSSSGMNQPG YAGMLGNSSH IPQSSSYCSL HPHERLSYPS HSSADINSSL PPMSTFHRSG TNHYSTSSCT PPANGTDSIM ANRGSGAAGS SQTGDALGKA LASIYSPDHT NNSFSSNPST PVGSPPSLSA GTAVWSRNGG QASSSPNYEG PLHSLQRSRIE DRLERLDDAI HVLNRHAVGP STAMPGGHGD MHGIIGPSHN GAMGGLGSGY GTGLLSANRH SLMVGTHRED GVALRGSHSL LPNQVPVPQL PVQSATSPDL NPPQDPYRGM PPGLQGQSVS SGSSEIKSDD EGDENLQDTK SSEDKKLDDD KDKIKSITSN NDDDLTPEQ KAEREKERRM ANNARERLRV RDINEAFKEL GRMVQLHLKS DKPQTKLLIL HQAVAVILSL EQQVRERNLN PKAACLRRE EEKVSSEPPP LSLAGPHPGM GDASNHMGQM.

