

TCF4, 1-507aa Human, His tag, E.coli

Cat.NO.: TP04168

3th Edition

Synonyms: Transcription factor 4, bHLHb19, E2-2, ITF-2, ITF2, PTHS, SEF-2, SEF2, SEF2-1, SEF2-1A, SEF2-1B, TCF-4

Description: TCF4, also known as immunoglobulin transcription factor 2 and transcription factor 4, is a protein acting as a transcription factor. This protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. It is expressed predominantly in pre-B-cells, although it is found in other tissues as well. Recombinant human TCF4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

Molecular Weight: 56.6 kDa (530aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMKFKQCRCSDTGLCCLDHEGKAEVYAPSASTADYNRDSPGYPSSKPATST
FPSSFFMQDGHSSDPWSSSSGMNQPGYAGMLGNSSHIPQSSSYCSLHPHERLSYPSSHSSADINSSLPPMSTFH
RSGTNHYSTSSCTPPANGTDSIMANRSGAAGSSQTGDALGKALASIYSPDHTNNSFSSNPSTPVGSPPSLSAGT
AVWSRNGGQASSPNYEGPLHSLQSRIEDRLERLDDAIHVLRNHAVGPSTAMPGGHGDMHGIIGPSHNGAMGGL
GSGYGTGLLSANRHSLMVGTHREDGVALRGSHSLLPNQVPVPQLPVQSATSPDLNPPQDPYRGMPPGLQGQSVS
SGSSEIKSDDEGDENLQDTSSEDKKLDKDKSITSNNDDEDLTPEQKAEREKERRMANNARERLRVRDINEA
FKELGRMVQLHLKSDKPQTKLLILHQAVALVLSLEQQVRERNLNPKAACLKRREEEKVSSEPPPLSLAGPHPGMGD
ASNHMGQM

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.