

Recombinant human TCF4 protein

Catalog Number: ATGP2605

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-507aa

UniProt No.

P15884

NCBI Accession No.

NP_001230165.1

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

56.6 kDa (530aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

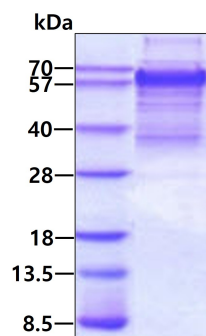
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TNHYTSSCT PPANGTDSIM ANRGSGAAGS SQTGDALGKA LASIYSPDHT NNSFSSNPST PVGSPPSLSA GTAVWSRNGG
QASSSPNYEG PLHSLQSRIE DRLERLDDAI HVLRNHAVGP STAMPGGHGD MHGIIGPSHN GAMGGLGSGY GTGLLSANRH
SLMVGTHRED GVALRGSHSL LPNQVPVPQL PVQSATSPDL NPPQDPYRGM PPGLQGQSVS SGSSEIKSDD EGDENLQDTK
SSEDKKLDLDD KDKIKSITSN NDDEDLTPEQ KAEREKERRM ANNARERLRV RDINEAFKEL GRMVQLHLKS DKPQTKLLIL
HQAVAVILSL EQQVRERNLN PKAACLKRRE EEKVSSEPPP LSLAGPHPGM GDASNHMGQM

General References

Sepp, M. et al. (2012) Human Molecular Genetics. 21:2873-2888
de Pontual L. et al. (2009) Hum. Mutat. 30:669-676.

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.