

TCF4, 1-507aa, Human, His-tag, Baculovirus

Cat.NO.: TP04169

3th Edition

Synonyms: Transcription factor 4 isoform I, TCF4, bHLHb19, E2-2, FECD3, ITF-2, ITF2, PTHS, SEF-2, SEF2, SEF2-1, SEF2-1A, SEF2-1B, SEF2-1D, TCF-4.

Description: TCF4, as known as transcription factor 4 isoform I, is a protein acting as a transcription factor. This protein will bind to the immunoglobulin enhancer mu-E5/kappa-E2 motif. Also, it activates transcription by binding to the E-box (5'-CANNTG-3') found usually on SSTR2-INR, or somatostatin receptor 2 initiator element. This protein is found in the central nervous system, somites, and gonadal ridge during early development. Later in development it will be found in the thyroid, thymus, and kidneys while in adulthood it is found in lymphocytes, muscles, and gastrointestinal system. Recombinant human TCF4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 54.9kDa (513aa), 35-100kDa (SDS-PAGE under reducing conditions.)

Sequences:

MKFKQCRCSDTGLCCLDHEGKAEVYAPSASTADYNRDSPPGYSSKPKATSTFPSSFFMQDGHHSDDPWSSSSGM
NQPGYAGMLGNSSSHIPQSSSYCSLHPHERLSYPSHSSADINSSLPPMSTFHRSGTNHYSTSSCTPPANGTDSIMAN
RSGGAAGSSQTGDALGKALASIYSPDHTNNSFSSNPSTPVGSPPSLSAGTAVWSRNGGQASSSPNYEGPLHSLQ
SRIEDRLERLDDAIHVLRNHAVGPSTAMPGGHGD MHGIIIGPSHNGAMGGLGSGYGTGLLSANRHSLMVGTHREDG
VALRGSHELLPNQVPVPQLPVQSATSPDLNPPQDPYRGMPPGLQGQSVSSGSSEIKSDDEGDENLQDTKSSSEDK
KLDDDKKDIKSITSNNDDEDLTPEQKAEREKERRMANNARERLRVRDINEAFKELGRMVQLHLKSDKPQTKLLILHQ
AVAVILSLEQQVRERNLNPKAACLKRREEEKVSSEPPPLSLAGPHPGMGDASNHMGQMHHHHHH

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

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.