

## 32-5056: Recombinant Human Thyrotrophic Embryonic Factor

**Alternative Name** Thyrotroph embryonic factor,TEF,Thyrotroph embryonic factor isoform 1.FBG2,FBS2,FBX6,Fbx6b,F-box only protein 6,F-box protein that recognizes sugar chains 2,F-box/G-domain protein 2,FBXO6.

### Description

Source : Escherichia Coli. TEF Human Recombinant produced in E. coli is a single polypeptide chain containing 326 amino acids (1-303) and having a molecular mass of 35.6kDa.TEF is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Thyrotroph embryonic factor (TEF) is a nuclear transcription factor which is a part of the bZIP (basic region/leucine zipper) family and PAR subfamily. TEF binds DNA as either a homodimer or heterodimer, and is known to transactivate the TSH beta promoter. TEF accumulates according to a robust circadian rhythm and is also inhibits cell growth by down-regulating beta chain expression of cytokine receptors.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** The TEF solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.  
**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 MGSMSDAGGG KKPPVDPQAG PGP GP GRAAG ERGLSGSFPL  
VLKKLMENPP REARLDKEKG KEKLEEDEAA AASTMAVSAS LMPPIWDKTI PYDGESFHLE YMDLDEFLLLE  
NGIPASPTHL AHNLLLPAVE LEGKESASSS TASPSSSTA IFQPSETVSS TESSLEKERE TPSPIDPNCV  
EVDVNFNPDP ADLVLSSVPG GELFNPRKHK FAEEDLKPQP MIKKAKKV FV PDEQKDEKYW TRRKNNVAA  
KRSRDARRLK ENQITIRAAF LEKENTALRT EVAELRKEVG KCKTIVSKYE TKYGPL.

