
Product Data Sheet

Product Name: TCF4 Human
 Cat. No.: GP24797
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMKFKQCR CSDTGLCCLD HEGKAEVYAP SASTADYNRD SPGYSSKPA TSTFPSSFFM QDGHSSDPW SSSSGMNQPG YAGMLGNSSH IPQSSSYCSL HPHERLSYPS HSSADINSSL PPMSTFHRSG TNHYSTSSCT PPANGTDSIM ANRGSGAAGS SQTGDALGKA LASIYSPDHT NNSFSSNPST PVGSPPLSA GTAVWSRNGG QASSSPNYEG PLHSLQSRIE DRLERLDDAI HVLRNHAVGP STAMPGGHGD MHGIIGPSHN GAMGGLGSGY GTGLLSANRH SLMVGTHRED GVALRGSHSL LPNQVPVQL PVQSATSPDL NPPQDPYRGM PPGLQGQSVS SGSSEIKSDD EGDENLQDTK SSEDKKLDDD KDKIKSITSN NDDDLTPEQ KAEREKERRM ANNARERLRV RDINEAFKEL GRMVQLHLKS DKPQTKLLIL HQAVAVILSL EQQVRERNLN PKAACLRRE EEKVSSEPPP LSLAGPHPGM GDASNHMGQM.		
Formulation	The TCF4 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.1M NaCl.		

Introduction

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

Background

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.

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