

Product datasheet for TP324345

TCF4 (NM_001083962) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transcription factor 4 (TCF4), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224345 representing NM_001083962 Red=Cloning site Green=Tags(s)

MHHQQRMAALGTDKELSDLLDFSAMFSPVSSGKNGPSTLASGHFTGSNVEDRSSSGSWGNGGHPSPSRN
YDGTPTYDHMTSRDLGSHDNLSPFVNSRIQSKTERGSYSSYGRESNLQGCHQQSLLGGDMDMGNPGTLS
PTKPGSQYYQYSSNNPRRRPLHSSAMEVQTKKVRKVPPGLPSSVYAPSASTADYNRDSPGYPSSKPATST
FPSSFFMQDGHSSDPWSSSSGMNQPGYAGMLGNSSHIPQSSSYCSLHPHERLSYPSSHADINSSLPPM
STFHRSGTNHYSTSSCTPPANGTDSIMANRGSAGAAGSSQTGDALGKALASIYSPDHTNNSFSSNPSTPVG
SPPSLSAGTAVWSRNGGQASSSPNYEGPLHSLQSRIEDRLERLDDAIHVLRNHAVGPSTAMPGGHGDMHG
IIGPSHNGAMGGLGSGYGTGLLSANRHSMLVGTTHREDGVALRGSHSLLPNQVVPVQLPVQSATSPDLNPP
QDPYRGMPPGLQGQSVSSGSSEIKSDDEGDENLQDTKSSDKKLDKDKIKSITRSRSSNDDDEDLTP
QKAEREKERRMANNARERLRVRDINEAFKELGRMVQLHLKSDKPQTKLLILHQAVAVILSLEQQVRERNL
NPKAACLKRREEEKVSSEPPPLSLAGPHPGMGDASNHMGQM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

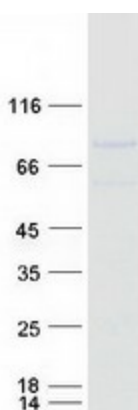
Tag:	C-Myc/DDK
Predicted MW:	71.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001077431
Locus ID:	6925
UniProt ID:	P15884 , B3KVA4
RefSeq Size:	8332
Cytogenetics:	18q21.2
RefSeq ORF:	2013
Synonyms:	bHLHb19; CDG2T; E2-2; FECD3; ITF-2; ITF2; PTHS; SEF-2; SEF2; SEF2-1; SEF2-1A; SEF2-1B; SEF2-1D; TCF-4
Summary:	This gene encodes transcription factor 4, a basic helix-loop-helix transcription factor. The encoded protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. This gene is broadly expressed, and may play an important role in nervous system development. Defects in this gene are a cause of Pitt-Hopkins syndrome. In addition, an intronic CTG repeat normally numbering 10-37 repeat units can expand to >50 repeat units and cause Fuchs endothelial corneal dystrophy. Multiple alternatively spliced transcript variants that encode different proteins have been described. [provided by RefSeq, Jul 2016]
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

Product images:



Coomassie blue staining of purified TCF4 protein (Cat# TP324345). The protein was produced from HEK293T cells transfected with TCF4 cDNA clone (Cat# [RC224345]) using MegaTran 2.0 (Cat# [TT210002]).