

Product datasheet for PH324345

TCF4 (NM_001083962) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TCF4 MS Standard C13 and N15-labeled recombinant protein (NP_001077431)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224345
Predicted MW:	71.6 kDa
Protein Sequence:	>RC224345 representing NM_001083962 Red=Cloning site Green=Tags(s)

MHHQQRMAALGTDKELSDLLDFSAMFSPPVSSGKNGPTSLASGHFTGSNVEDRSSSGSWGNGGHPSPSRN
YGDGTPYDHMTSRDLGSHDNLSPPFVNSRIQSKTERGSYSSYGRESNLQGCHQQSLLGGDMDMGNPGTSL
PTKPGSQYYQYSSNPRRRPLHSSAMEVQTKKVRKVPPGLPSSVYAPSASTADYNRDSPGYPSSKPATST
FPSSFFMQDGHSSDPWSSSSGMNQPGYAGMLGNSSHIPQSSSYCSLHPPERLSYPSSHADINSSLPPM
STFHRSNTHYSTSSCTPPANGTDSIMANRGSAAAGSSQTGDALGKALASIYSPDHTNNSFSSNPSTPVG
SPPSLSAGTAVWSRNGGQASSSPNYEGLHSLQSRIEDRLERLDDAIHVLRNHAVGPSTAMPGGHGMHG
IIGPSHNGAMGGLGSGYGTGLLSANRHSLMVGTHREDGVALRGSHLLPNQVVPVQLPVQSATSPDLNPP
QDPYRGMPPGLQGQSVSSGSSEIKSDDEGDENLQDTKSSDKKDDDDKDKSITRSRSSNDDDEDLTPE
QKAEREKERRMANNARERLRVRDINEAFKELGRMVLHLKSDKPQTKLLILHQAVAVILSLEQQVRERNL
NPKAACLRREEEKVSSEPPPLSLAGPHPGMGDASNHMGMQ

TRTRPLEQKLISEEDLAANDILDYKDDDDK

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001077431
RefSeq Size:	8332



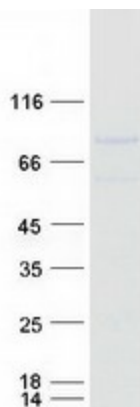
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RefSeq ORF:	2013
Synonyms:	bHLHb19; CDG2T; E2-2; FECD3; ITF-2; ITF2; PTHS; SEF-2; SEF2; SEF2-1; SEF2-1A; SEF2-1B; SEF2-1D; TCF-4
Locus ID:	6925
UniProt ID:	P15884 , B3KVA4
Cytogenetics:	18q21.2

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]).