

Recombinant Full Length Human TCF3 Protein, C-Myc/DDK-tagged

Cat. No. TCF3-28HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Human TCF3 Protein, fused to Myc/DDK-tag at C-terminus, was expressed in HEK293T.

Species

Human

Source

HEK293

Description

This gene encodes a member of the E protein (class I) family of helix-loop-helix transcription factors. E proteins activate transcription by binding to regulatory E-box sequences on target genes as heterodimers or homodimers, and are inhibited by heterodimerization with inhibitor of DNA-binding (class IV) helix-loop-helix proteins. E proteins play a critical role in lymphopoiesis, and the encoded protein is required for B and T lymphocyte development. Deletion of this gene or diminished activity of the encoded protein may play a role in lymphoid malignancies. This gene is also involved in several chromosomal translocations that are associated with lymphoid malignancies including pre-B-cell acute lymphoblastic leukemia (t(1;19), with PBX1), childhood leukemia (t(19;19), with TFPT) and acute leukemia (t(12;19), with ZNF384). Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 9.

Form

25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	67.4 kDa
AA Sequence	<p>MNQPQRMAPVGTDKELSDLLDFSMFPLPVTNGKGRPASLAGAQFGGSGLEDRPS SGSWGSGDQSSSSFD PSRTFSEGTHFTESHSSLSSTFLGPGGLGGKSGERGAYAS FGRDAGVGGLTQAGFLSGELALNSPGPLSP SGMKGTSQYYPSYSGSSRRRAADG SLDTQPKKVRKVPPGLPSSVYPPSSGEDYGRDATAYPSAKTPSSTY PAFYVADGS LHPSAELWSPPGQAGFGPMLGGGSSPLPLPPGSGPVGSSGSSSTFGGLHQHERM GYQLHG AEVNGGLPSASSFSSAPGATYGGVSSHTPPVSGADSLGSRGTTAGSSG DALGKALASIYSPDHSSNNFS SSPSTVGGSPQGLAGTSQWPRAGAPGALSPSYDG GLHGLQSKIEDHLDEAIHVLRSHAVGTAGDMHTLLP GHGALASGFTSPMSLGGRHA GLVGGSHPEDGLAGSTSLMHNHAALPSQPGTLPDLRPPDSYSGLGRAGA TAAAS EIKREEKEDEENTSAAADHSEEEKKELKAPRARTSPDEDEDDLPEQKAEREKERR VANNARERL RVRDINEAFKELGRMCQLHLNSEKPQTKLLILHQAVSVILNLEQQVRE RNLNPKAACLKRREEEKVSGVV GDPQMVLSAPHPGLSEAHNPAGHM TRTRPLEQ KLISEEDLAANDILDYKDDDDKV</p>
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors
-------------------------	--

Full Length	Full L.
--------------------	---------

GENE INFORMATION

Gene Name	TCF3 transcription factor 3 [Homo sapiens (human)]
------------------	--

Official Symbol	TCF3
------------------------	------

Synonyms	E2A; E47; p75; AGM8; ITF1; VDIR; AGM8A; AGM8B; TCF-3; bHLHb21
-----------------	---

Gene ID	6929
----------------	------

mRNA Refseq	NM_003200.5
--------------------	-------------

Protein Refseq	NP_003191.1
-----------------------	-------------

MIM	147141
------------	--------

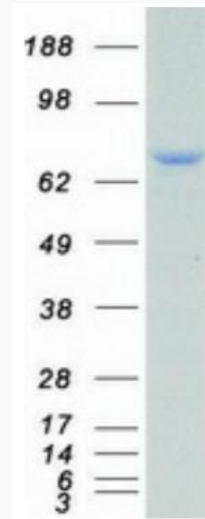
UniProt ID	P15923
-------------------	--------

 Tel: 1-631-559-9269 1-516-512-3133


 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA


SDS-PAGE



Coomassie blue staining of purified TCF3 protein.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA