

## Recombinant Human TCF3 293 Cell Lysate

Cat. No. TCF3-1180HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47) (TCF3), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

<b>Gene Name</b>	TCF3 transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47) [ Homo sapiens ]
<b>Official Symbol</b>	TCF3
<b>Synonyms</b>	TCF3; transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47); transcription factor E2-alpha; bHLHb21; E2A; E2A immunoglobulin enhancer binding factor E12/E47; E47; immunoglobulin transcription factor 1; ITF1; kappa E2 binding factor; MGC129647; MGC129648; transcription factor E2 alpha; VDIR; VDR interacting repressor; kappa-E2-binding factor; transcription factor ITF-1; helix-loop-helix protein HE47; vitamin D receptor-interacting repressor; class B basic helix-loop-helix protein 21; negative vitamin D response element-binding protein; TCF-3;
<b>Gene ID</b>	6929
<b>mRNA Refseq</b>	NM_001136139
<b>Protein Refseq</b>	NP_001129611
<b>MIM</b>	147141
<b>UniProt ID</b>	P15923
<b>Chromosome Location</b>	19p13.3
<b>Pathway</b>	CDO in myogenesis, organism-specific biosystem; Delta-Notch Signaling Pathway,

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organism-specific biosystem; Developmental Biology, organism-specific biosystem;  
HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved  
biosystem; Id Signaling Pathway, organism-specific biosystem; Myogenesis,  
organism-specific biosystem;

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