

## Recombinant Mouse Tcf3 Protein, His-tagged

**Cat. No.** Tcf3-2118M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Tcf3 Protein (Ala421-Leu599) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ala421-Leu599
<b>Description</b>	<p>Enables several functions, including E-box binding activity; protein heterodimerization activity; and transmembrane receptor protein tyrosine kinase activator activity. Contributes to DNA-binding transcription activator activity, RNA polymerase II-specific. Involved in gastrulation; positive regulation of neuron differentiation; and positive regulation of transcription by RNA polymerase II. Acts upstream of or within several processes, including histone acetylation; immune system development; and regulation of gene expression. Located in cytosol and nucleus. Part of RNA polymerase II transcription regulator complex and nucleosome. Is expressed in several structures, including branchial arch; central nervous system; male reproductive system; retina; and urinary system. Human ortholog(s) of this gene implicated in agammaglobulinemia and colorectal cancer. Orthologous to human TCF3 (transcription factor 3).</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 23.2 kDa

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	Accurate Molecular Mass: 30 kDa
<b>Purity</b>	> 95%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Tcf3 transcription factor 3 [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Tcf3
<b>Synonyms</b>	Tcf3; transcription factor 3; A1; E12; E2A; E47; KA1; ME2; ALF2; Pan1; Pan2; VDIR; TCF-3; Tcfe2a; E12/E47; bHLHb21; AA408400; AW209082; transcription factor E2-alpha; immunoglobulin enhancer-binding factor E12/E47; transcription factor A1; transcription factor E2a
<b>Gene ID</b>	21423

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mRNA Refseq [NM\\_001164148](#)

Protein Refseq [NP\\_001157620](#)

UniProt ID [P15806](#)

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