

Recombinant Mouse Tcf3 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Tcf3 Protein (Ala421-Leu599) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala421-Leu599
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.2 kDa

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	Accurate Molecular Mass: 30 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Tcf3 transcription factor 3 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Tcf3
Synonyms	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
Gene ID	21423

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mRNA Refseq	NM_001164148
Protein Refseq	NP_001157620
UniProt ID	P15806

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