

Recombinant Mouse Tcf3 Protein, Myc/DDK-tagged

Cat. No. Tcf3-6339M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length transcription factor 3 (Tcf3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcriptional regulator. Involved in the initiation of neuronal differentiation. Heterodimers between TCF3 and tissue-specific basic helix-loop-helix (bHLH) proteins play major roles in determining tissue-specific cell fate during embryogenesis, like muscle or early B-cell differentiation. Dimers bind DNA on E-box motifs: 5'-CANNTG-3'. Binds to the kappa-E2 site in the kappa immunoglobulin gene enhancer. Binds to IEB1 and IEB2, which are short DNA sequences in the insulin gene transcription control region.
Molecular Mass	67.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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 after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Tcf3 transcription factor 3 [*Mus musculus* (house mouse)]

Official Symbol Tcf3

Synonyms TCF3; transcription factor 3; transcription factor E2-alpha; TCF-3; transcription factor A1; transcription factor E2a; immunoglobulin enhancer-binding factor E12/E47; A1; E12; E2A; E47; ME2; ALF2; Pan1; Pan2; VDIR; Tcfe2a; E12/E47; bHLHb21; AA408400; AW209082

Gene ID 21423

mRNA Refseq NM_011548

Protein Refseq NP_035678

UniProt ID P15806

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