

Recombinant Mouse Tcf4 Protein, Myc/DDK-tagged

Cat. No. Tcf4-6340M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length transcription factor 4 (cDNA clone MGC:13998 IMAGE:4014231), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcription factor that binds to the immunoglobulin enhancer Mu-E5/KE5-motif. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3'). Isoform 2 inhibits MYOD1 activation of the cardiac alpha-actin promoter. Binds to the E-box present in the somatostatin receptor 2 initiator element (SSTR2-INR) to activate transcription. May have a regulatory function in developmental processes as well as during neuronal plasticity.
Molecular Mass	54.1 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 Tcf4 transcription factor 4 [*Mus musculus* (house mouse)]

Official Symbol Tcf4

Synonyms

Tcf4; transcription factor 4; AS; ME2; TFE; E2-2; E2.2; ITF-; ITF2; SEF-; SEF2; ITF-2; MITF-; SEF-2; SEF2-; Tcf-4; ASP-I2; ITF-2b; SEF2-1; bHLHb1; MITF-2A; MITF-2B; bHLHb19; 5730422P05Rik; transcription factor 4; MITF-2; SL3-3 enhancer factor 2; Transcription factor 4 (Immunoglobulin transcription factor 2) (ITF-2) (MITF-2) (SL3-3 enhancer factor 2) (SEF-2) (Class A helix-loop-helix transcription factor ME2); class A helix-loop-helix transcription factor ME2; immunoglobulin transcription factor-2

Gene ID 21413

mRNA Refseq NM_013685

Protein Refseq NP_038713

UniProt ID Q60722

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