

Recombinant Mouse Tcf23 Protein, Myc/DDK-tagged

Cat. No. Tcf23-6337M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length transcription factor 23 (Tcf23), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Inhibits E-box-mediated binding and transactivation of bHLH factors. Inhibitory effect is similar to that of ID proteins. Inhibits the formation of TCF3 and MYOD1 homodimers and heterodimers. Lacks DNA binding activity. May be involved in the regulation or modulation of smooth muscle contraction of the uterus during pregnancy and particularly around the time of delivery. Seems to play a role in the inhibition of myogenesis.
Molecular Mass	23.3 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 Tcf23 transcription factor 23 [*Mus musculus* (house mouse)]

Official Symbol Tcf23

Synonyms TCF23; transcription factor 23; TCF-23; ovary, uterus and testis protein; basic helix-loop-helix transcription factor OUT; Out; bHLHa24; 2010002O16Rik

Gene ID 69852

mRNA Refseq NM_053085

Protein Refseq NP_444315

UniProt ID Q9JLR5

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