

Recombinant Mouse Sox13 Protein, Myc/DDK-tagged

Cat. No. Sox13-6050M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SRY-box containing gene 13 (cDNA clone MGC:5792 IMAGE:3493465), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcription factor that binds to DNA at the consensus sequence 5'-AACAAAT-3'. Binds to the proximal promoter region of the myelin protein MPZ gene, and may thereby be involved in the differentiation of oligodendroglia in the developing spinal tube. Binds to the gene promoter of MBP and acts as a transcriptional repressor. Binds to and modifies the activity of TCF7/TCF1, thereby inhibiting transcription and modulates normal gamma-delta T-cell development and differentiation of IL17A expressing gamma-delta T-cells. Required for the differentiation of Vgamma2-positive gamma-delta T-cells, a subset of IL17A expressing gamma-delta T-cells. Regulates expression of BLK in the differentiation of IL17A expressing gamma-delta T-cells. Promotes brown adipocyte differentiation. Inhibitor of WNT signaling.
Molecular Mass	66.3 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.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Sox13 SRY (sex determining region Y)-box 13 [Mus musculus (house mouse)]
Official Symbol	Sox13
Synonyms	Sox13; SRY (sex determining region Y)-box 13; Sox-13; AA407916; AW259412; AW540933; transcription factor SOX-13; SRY-box containing gene 13; mSox13
Gene ID	20668
mRNA Refseq	NM_011439
Protein Refseq	NP_035569
UniProt ID	Q04891

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