

## 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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<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	Sox13 SRY (sex determining region Y)-box 13 [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Sox13
<b>Synonyms</b>	Sox13; SRY (sex determining region Y)-box 13; Sox-13; AA407916; AW259412; AW540933; transcription factor SOX-13; SRY-box containing gene 13; mSox13
<b>Gene ID</b>	20668
<b>mRNA Refseq</b>	NM_011439
<b>Protein Refseq</b>	NP_035569
<b>UniProt ID</b>	Q04891

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