Recombinant Mouse Six5 Protein, Myc/DDK-tagged

Cat. No. Six5-5890M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length sine oculis-related homeobox 5 (Six5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transcription factor that is thought to be involved in regulation of organogenesis. May be involved in determination and maintenance of retina formation. Binds a 5'-GGTGTCAG-3' motif present in the ARE regulatory element of ATP1A1. Binds a 5'-TCA[AG][AG]TTNC-3' motif present in the MEF3 element in the myogenin promoter, and in the IGFBP5 promoter. Thought to be regulated by association with Dach and Eya proteins, and seems to be coactivated by EYA1, EYA2 and EYA3.
Molecular Mass	73.7 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	Six5 sine oculis-related homeobox 5 [Mus musculus (house mouse)]
Official Symbol	Six5
Synonyms	SIX5; sine oculis-related homeobox 5 homolog (Drosophila); homeobox protein SIX5; sine oculis homeobox homolog 5; DM locus-associated homeodomain protein homolog; Dmahp; MDMAHP; TrexBF
Gene ID	20475
mRNA Refseq	NM_011383
Protein Refseq	NP_035513
UniProt ID	P70178

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