

Recombinant Mouse Hopx Protein, Myc/DDK-tagged

Cat. No. Hopx-3431M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length HOP homeobox (Hopx), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Atypical homeodomain protein which does not bind DNA and is required to modulate cardiac growth and development. Acts via its interaction with SRF, thereby modulating the expression of SRF-dependent cardiac-specific genes and cardiac development. Prevents SRF-dependent transcription either by inhibiting SRF binding to DNA or by recruiting histone deacetylase (HDAC) proteins that prevent transcription by SRF. Overexpression causes cardiac hypertrophy. Acts as a co-chaperone for HSPA1A and HSPA1B chaperone proteins and assists in chaperone-mediated protein refolding.
Molecular Mass	8.3 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.

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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 [Hopx HOP homeobox \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Hopx](#)

Synonyms HOPX; HOP homeobox; homeodomain-only protein; mOB1; odd homeobox 1; homeobox only domain; homeobox-only protein; odd homeobox protein 1; homeodomain only protein; Hod; Hop; Ob1; Obl; Hdop; Toto; Cameo; AI848177; AW490897; 1110018K11Rik; 1200015P04Rik; 2300002F06Rik

Gene ID [74318](#)

mRNA Refseq [NM_001159901](#)

Protein Refseq [NP_001153373](#)

UniProt ID [Q8R1H0](#)

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