

Recombinant Mouse Msx2 Protein, Myc/DDK-tagged

Cat. No. Msx2-4200M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length msh homeobox 2 (Msx2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as a transcriptional regulator in bone development. Represses the ALPL promoter activity and antagonizes the stimulatory effect of DLX5 on ALPL expression during osteoblast differentiation. Probable morphogenetic role. May play a role in limb-pattern formation. In osteoblasts, suppresses transcription driven by the osteocalcin FGF response element (OCFRE). Binds to the homeodomain-response element of the ALPL promoter.
Molecular Mass	29.4 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 [Msx2 msh homeobox 2 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Msx2](#)

Synonyms MSX2; homeobox, msh-like 2; homeobox protein MSX-2; homeo box, msh-like 2; homeobox protein Hox-8-1; Hox8; Hox-8; Hox8.1; BB122635

Gene ID [17702](#)

mRNA Refseq [NM_013601](#)

Protein Refseq [NP_038629](#)

UniProt ID [Q03358](#)

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