

## Recombinant Mouse Nkx2-5 Protein, Myc/DDK-tagged

Cat. No. Nkx2-5-4424M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length NK2 homeobox 5 (Nkx2-5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Transcription factor required for the development of the heart and the spleen. During heart development, acts as a transcriptional activator of ANF in cooperation with GATA4. Binds to the core DNA motif of NPPA promoter. Together with PBX1, required for spleen development through a mechanism that involves CDKN2B repression.
<b>Molecular Mass</b>	34.6 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<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.

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## GENE INFORMATION

<b>Gene Name</b>	Nkx2-5 NK2 homeobox 5 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Nkx2-5
<b>Synonyms</b>	NKX2-5; NK2 transcription factor related, locus 5 (Drosophila); homeobox protein Nkx-2.5; homeobox protein CSX; cardiac-specific homeobox; homeobox protein NK-2 homolog E; Drosophila NK2 transcription factor related, locus 5; Csx; Nkx2.5; tinman; Nkx-2.5
<b>Gene ID</b>	18091
<b>mRNA Refseq</b>	NM_008700
<b>Protein Refseq</b>	NP_032726
<b>UniProt ID</b>	P42582

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