

Product datasheet for **TP527399**

Nkx2-5 (NM_008700) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse NK2 homeobox 5 (Nkx2-5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227399 representing NM_008700 Red =Cloning site Green =Tags(s)

MFPSPALTPTPFVSKDILNLEQQQRSLASGDLSARLEATLAPASCMLAAFKPEAYSGPEAAAASGLAELRA
EMGPAPSPKCSAPFAAFTFYPGAYGDPDPKADPRADKKELCALQKAVELDKAETDGAERPRARRRRKP
RVLFSQAQVYELERRFKQQRYSAPERDQLASVLKLTSTQVKIWFQNRRYKCKRQRDQDTLELLGPPPPP
ARRIAPVLRDVGKPCLDGPAAYAPAYGVGLNAYGYNAYPYPSYGGAACSPGYSCAAYPAAPPAAQPPAA
SANSNFVNFVGDVLDLNTVQSPGMPQGNVSTLHGIRAW

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	34.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_032726</u>
Locus ID:	18091
UniProt ID:	<u>P42582</u> , <u>Q3UQU2</u>



[View online »](#)

RefSeq Size: 1524

Cytogenetics: 17 13.6 cM

RefSeq ORF: 954

Synonyms: Csx; Nkx-2.5; Nkx2.5; tinman

Summary: Implicated in commitment to and/or differentiation of the myocardial lineage. Acts as a transcriptional activator of ANF in cooperation with GATA4. Binds to the core DNA motif of NPPA promoter. It is transcriptionally controlled by PBX1 and acts as a transcriptional repressor of CDKN2B. Together with PBX1, it is required for spleen development through a mechanism that involves CDKN2B repression.[UniProtKB/Swiss-Prot Function]