

Product datasheet for TP524227

Nkx3-2 (NM_007524) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse NK3 homeobox 2 (Nkx3-2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224227 representing NM_007524 Red =Cloning site Green =Tags(s)

MAVRGSGTLTPFSIQAILNKKEERGGLATPEGRPAPGGTEVAVTAAPAVCCWRIFGETEAGALGGAEDSL
LAPARTRTAVGQSAESPGGWSDSALSSEENEGRRRCADVPGASGTGRARVTLGLDQPGCELHAAKDLLE
EAPVRSDSEMSASVSGDHSPRGEDDSVSPGGARVPLRGAAGSGASGGQAGGVEEEEPAAPKPRKKRSR
AAFSHAQVFELERRFNHQRYLSGPERADLAASLKLTTETQVKIWFQNRRYKTKRRQMAADLLASAPAAKKV
AVKVLVRDDQRQYLPGEVLRPPSLLPLQPSYYYPYCLPGWALSTCAAAAAGTQ

LEQKLISEEDLAANDILDYKDDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	35.6 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:	NP_031550
Locus ID:	12020
UniProt ID:	P97503



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RefSeq Size: 1437

Cytogenetics: 5 22.58 cM

RefSeq ORF: 999

Synonyms: Bapx1; Nkx-3.2; NKX3.2

Summary: Transcriptional repressor that acts as a negative regulator of chondrocyte maturation. Plays a role in distal stomach development; required for proper antral-pyloric morphogenesis and development of antral-type epithelium. In concert with GSC, defines the structural components of the middle ear; required for tympanic ring and gonium development and in the regulation of the width of the malleus.[UniProtKB/Swiss-Prot Function]