

Product datasheet for **TP307752M**

NKX2.8 (NKX2-8) (NM_014360) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human NK2 homeobox 8 (NKX2-8), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207752 protein sequence Red =Cloning site Green =Tags(s)
	 MATSGRLSFTVRSLLDLPEQDAQHLPRREPEPRAPQPDPCAAWLDSERGHYPSSDESSLETSPPDSSQRP SARPASPGSDAEKRKRRVLFKAQTLELERRFRQQRYSAPEREQLASLLRLTPTQVKIWFQNHRYKLK RARAPGAAESPDLAASAELHAAPGLLRVVPVLRDQPCGGGGGGVEGTAAAQEKCGAPPAAACPLPG YPAFGPGSALGLFPAYQHLASPALVSWNW TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	25.7 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_055175</u>
Locus ID:	26257
UniProt ID:	<u>O15522</u>



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RefSeq Size: 1857

Cytogenetics: 14q13.3

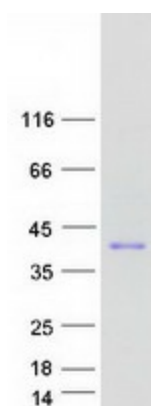
RefSeq ORF: 717

Synonyms: Nkx2-9; NKX2.8; NKX2H

Summary: The protein encoded by this gene is a homeobox-containing developmental regulator associated with liver development. The encoded protein binds to the alpha-fetoprotein (AFP) gene promoter and increases the expression of AFP. This gene is overexpressed in some lung cancers and is linked to poor patient survival, possibly due to its resistance to cisplatin. This gene is aberrantly methylated in pancreatic cancer, deleted in squamous cell lung carcinomas, and acts as a tumor suppressor in esophageal cancer. Mutations in this gene may also be a cause of neural tube defects. [provided by RefSeq, Dec 2015]

Protein Families: Druggable Genome, Transcription Factors

Product images:



Coomassie blue staining of purified NKX2-8 protein (Cat# [TP307752]). The protein was produced from HEK293T cells transfected with NKX2-8 cDNA clone (Cat# [RC207752]) using MegaTran 2.0 (Cat# [TT210002]).