

Product datasheet for PH307752

NKX2.8 (NKX2-8) (NM_014360) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NKX2 MS Standard C13 and N15-labeled recombinant protein (NP_055175)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207752
Predicted MW:	25.9 kDa
Protein Sequence:	>RC207752 protein sequence Red=Cloning site Green=Tags(s) MATSGRLSFTVRSLLDLPEQDAQHLPRREPEPRAPQPDPCAAWLDSERGHYPSSDESSLETSPDSSQRP SARPASPGSDAEKRKRRLVLFKAQTLERFRQRYLSAPEREQLASLLRLTPTQVKIWFQNHRYKLLK RARAPGAAESPDLAASAELHAAPGLLRVVPVLVRDGGQPCGGGGGGEVGTAAAQEKCGAPPAACPLPG YPAFGPGSALGLFPAYQHASPALVSWNW TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_055175</u>
RefSeq Size:	1857
RefSeq ORF:	717
Synonyms:	Nkx2-9; NKX2.8; NKX2H
Locus ID:	26257
UniProt ID:	<u>O15522</u>



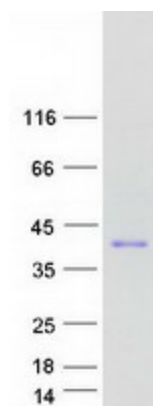
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Cytogenetics: 14q13.3

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]).