

Product datasheet for **TP307752**

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), 20 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC207752 protein sequence
Red=Cloning site **Green**=Tags(s)

MATSGRLSFTVRSLLDLPEQDAQHLPRREPEPRAPQPDPCAAWLDSERGHYPSSDESSLETSPDSSQRP
SARPASPGSDAEKRKRKRRVLFKAQTLELERRFRQQRYSAPEREQLASLLRLTPTQVKIWFQNHRYKLLK
RARAPGAAESPDLAASAELHAAPGLLRVVPVLVRDQPCGGGGGGVEGTAAAQEKCGAPPAAACPLPG
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: [NP_055175](#)

Locus ID: 26257

UniProt ID: [O15522](#)



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RefSeq Size: 1857

Cytogenetics: 14q13.3

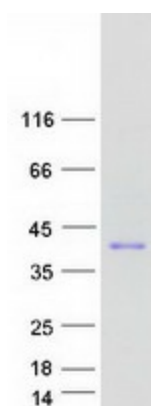
RefSeq ORF: 717

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]).