

Product datasheet for PH310374

Nkx3.1 (NKX3-1) (NM_006167) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NKX3 MS Standard C13 and N15-labeled recombinant protein (NP_006158)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210374
Predicted MW:	26.4 kDa
Protein Sequence:	>RC210374 protein sequence Red=Cloning site Green=Tags(s) MLRVPEPRPGEAKAEGAAPPTPSKPLTSFLIQDILRDGAQRQGGRTSSQRQRDPEPEPEPEPEGGRSRAG AQNDQLSTGPRAAPEEAETLAETEPERHLGSYLLDSENTSGALPRLPQTPKQPQKRSRAAFSHTQVIELE RKFSHQKYL SAPER AHLAKNLKLTETQVKIWFQNRRYKTKRKQLSSELGDLEKHSSLPALKEEAFSRASL VSVYNSYPYPYLYCVGSWSPAFW 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_006158</u>
RefSeq Size:	3281
RefSeq ORF:	702
Synonyms:	BAPX2; NKX3; NKX3.1; NKX3A
Locus ID:	4824
UniProt ID:	<u>Q99801</u>



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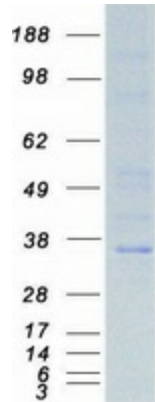
Cytogenetics: 8p21.2

Summary: This gene encodes a homeobox-containing transcription factor. This transcription factor functions as a negative regulator of epithelial cell growth in prostate tissue. Aberrant expression of this gene is associated with prostate tumor progression. Alternate splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jan 2012]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Pathways in cancer, Prostate cancer

Product images:



Coomassie blue staining of purified NKX3-1 protein (Cat# [TP310374]). The protein was produced from HEK293T cells transfected with NKX3-1 cDNA clone (Cat# [RC210374]) using MegaTran 2.0 (Cat# [TT210002]).