

NKX3-1, 1-234aa, Human, His tag, E.coli

Cat.NO.: TP03163

3th Edition

Synonyms:Homeobox protein Nkx-3.1, BAPX2, NKX3, NKX3.1, NKX3A

Description:NKX3-1 is a homeobox-containing transcription factor, which binds preferentially the consensus sequence 5'-TAAGT[AG]-3' and can behave as a transcriptional repressor. This transcription factor functions as a negative regulator of epithelial cell growth in prostate tissue. Aberrant expression of NKX3-1 is associated with prostate tumor progression. Alternate splicing results in multiple transcript variants of this. Recombinant human NKX3-1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M UREA, 10% glycerol

Molecular Weight:28.7kDa (257aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMRLRVPEPRPGEAKAEGAAPPTPSKPLTSFLIQDILRDGAQRQGGRTSSQRQ
RDPEPEPEPEPEGGRSRAGAQNQLSTGPRAAPEEAETLAETEPERHLGSYLLDSENTSGALPRLPQTPKQPQKR
SRAAFSHTQVIELERKFHQKYL SAPER AHLAKNLKLTETQVKIWFQNRRYKTKRKQLSSELGDLEKHSSLPALKEE
AFSRASLVSVYNSYPYPYLYCVGSWSPAFW

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.