

Product datasheet for **SC304088**

NKX2.8 (NKX2-8) (NM_014360) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NKX2.8 (NKX2-8) (NM_014360) Human Untagged Clone
Tag:	Tag Free
Symbol:	NKX2.8
Synonyms:	Nkx2-9; NKX2.8; NKX2H
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_014360 edited ATGGCCACCTCTGGACGCCTGAGCTTCACCGTGCGCAGCCTTCTAGATTTACCCGAGCAG GACGCGCAACACCTGCCGAGGCGGGAGCCAGAACCACGCGCCCCAGCCGACCCTGC GCCGCCTGGCTGGATTTCGAGCGCGGCCACTACCCTTCCTCGGACGAGAGCAGCCTGGAG ACCAGCCCGCCAGACTCGTCGCAGCGGCCGTCCGCTAGGCCCGCGTCTCCGGGCTCGGAC GCCGAGAAAAGGAAGAAGCGCGGGTGCTATTCTCCAAGGCGCAGACGCTGGAGTTGGAG CGGCGCTTCGGCAGCAGCGGTACCTGTCTGCGCCGAGCGGAGCAGCTGGCGAGCCTG CTTCGCCTCACGCCACGCAGGTCAAGATCTGGTTCCAGAATCATCGCTACAAGCTGAAG CGCGCTCGCGCTCCAGGGCGGGGAGTCGCTGACCTGGCAGCATCCGCCGAGCTGCAC GCCGCGCCCGCCTGCTGCGTCGCTGGTGGTGGCGGTGCTTGTTCGCGACGGGCAGCCG TGCGGCGCGGGCGGGTGGCGAGGTGGGAACCGCGGCCAGGAGAAGTGGCGGCC CCTCCAGCCGCCCTGCCTCTGCCGGCTACCCTGCCTTCGGTCCCGCTCGGCGCTT GGCCTTCTCCCGCTACCAGCACTTAGCATCCCCGCCCTGGTCTCTGGAAGTGGTGA



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014360 unedited GGGGGCGCCATTGGGGGAATGGCAACTNCCAGGNCCAGNAAAGCACTGGGGNAGGGTCA CAGGGATGCCACCCGGGNATTCTGTTCAGGAAACAGCTATGACCGCGGCCGCAATCTAG AGTCGAGTCACCAGTTCAGGAGACCAGGGCGGGGGATGCTAAGTGCTGGTAGGCGGGGA AGAGGCCAAGCGCCGAGCCGGGACCGAAGGCAGGGTAGCCCGCAGAGGGCAGGCGGGCG CTGGAGGGGCGCCGCACTTCTCCTGGGCGCGGGTTCCACCTCGCCACCGCCGCCCG CGCCGCACGGCTGCCCGTCGCGAACAAGCACCGGCACCACCACGCGACGCAGCAGGCGCG GCGCGGCGTGCAGCTCGGCGGATGCTGCCAGTCAAGCGACTCCGCGCCCTGGAGCGC GAGCGCGCTTCAGCTTGTAGCGATGATTCTGGAACCAGATCTTGACCTGCGTGGGCGTGA GGCGAAGCAGGCTCGCCAGTGTCTGCGCTCGGGCGCAGACAGGTACCGTGTCTGCCGA AGCGCCGCTCCAACCTCCAGCGTCTGCGCCTTGGAGAATAGCACCCCGCTTCTTCTTT TCTCGGCTCCGAGCCCGGAGACGCGGGCTAGCGGACGCGCGCTGCGACGAGTCTGGCG GGTGGTCTCCAGGCTGCTCTCGTCCGAGGAAGGTAGTGGCCGCGCTCCGAATCCAGCC AGGCGGCGCAAGGGTCGGGCTGGGGGCGCGTGGTTCTGGCTCCCGCTCGGCAGGTGTT GCGCGTCTGCTCGGTAATCTAGAAGCTGCGCACGGTGAAGCTCAGGCGTCCAGAGG TGCCATGGCCNAGAGGGGAAAGGAGCGNGGCAGGGCAGGCTGGGGCACGNAGGGCNG CCGNACGCCCGCTCTN
Restriction Sites:	Please inquire
ACCN:	NM_014360
Insert Size:	800 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_014360.2</u> , <u>NP_055175.2</u>
RefSeq Size:	1857 bp
RefSeq ORF:	720 bp
Locus ID:	26257
UniProt ID:	<u>O15522</u>
Cytogenetics:	14q13.3

Protein Families: Druggable Genome, Transcription Factors

Gene 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]