

## Product datasheet for **SC326879**

### NKX1-2 (NM\_001146340) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NKX1-2 (NM_001146340) Human Untagged Clone
Tag:	Tag Free
Symbol:	NKX1-2
Synonyms:	bB238F13.2; C10orf121; NKX-1.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326879 representing NM_001146340. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGCTGGCATGGCAGGACGGCGGGGCCAAGGCGGCTCCCTCCCACCACAAGATTTCTTTCTGTCTCTG  
 GACATCTGGACCCACAGAAATTCACCCGCGCAGCGCTCCCTGCCGTGCGCCGGCTCCCGGGAAGCC  
 AGGAAAAGTTTGGCGGAGGTCTGAAGCGGGGAAAGATGCCAGCTCCAGGGACCTGTCCGACAGCTGGAG  
 ACCCTGATGCTGCGGGCCAGGCGCGGCCAGGCGTCCCCCTGGAGGGTTCCGAGGCGGAAGAGGAG  
 GAGGATGCGGAGGATCCGAGGAGCGCGGCTGCGGGAGCGGGCTGCGCGCTTGCTGCCGGGCTAGCG  
 CGCTACCTGACGCCCCGCGCGGCATTGGCGTCTGGGAGCCCTGCGAGGACGCGGGGCGGCCCT  
 GTGAGGTCCCCCGGGATCCCCCGGCTCCCCGCGTCCCAGGCGCGGCGCTGGAGCCAACTGCGCC  
 AAGCCGCGGCGCGCGCACCGCCTTACCTACGAGCAGCTGGTGGCCTTGAGAAACAAGTTCGGGGCC  
 ACGCGCTACCTGTGAGTGCGAGCGCTGAACCTCGCGCTGTCTCTCAGCCTCACCGAGACGCAGGTC  
 AAAATCTGGTTCCAGAATCGCAGGACCAAGTGGAAGAAGCAGAACCCGGGTGCCGACGGCGCGGCAG  
 GTGGGGGTGGCGCGCCAGCCAGGGCGGCGGGGGCGGCGGCGGCGGCGGCTCGGGGGCAGTCTT  
 GGCCCTCCCGCACCGGCGCTTGCACTTCCAGACTTTCCCTCCTACTCCGCGGCAATGTCCTCTTC  
 CCGTCCGCGCCTCTTCCGCTGACGGCTGCCGCCCCCGGAGCCCTTCGCGCGCTTCTTGGGCTT  
 TCCTACCTGACCCCTTCTACGCCCCGCTCTA**TGA**  
**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001146340
Insert Size:	933 bp


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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001146340.1</a></u>
<b>RefSeq Size:</b>	971 bp
<b>RefSeq ORF:</b>	933 bp
<b>Locus ID:</b>	390010
<b>UniProt ID:</b>	<u><a href="#">Q9UD57</a></u>
<b>Cytogenetics:</b>	10q26.13
<b>MW:</b>	32.4 kDa
<b>Gene Summary:</b>	May function in cell specification, particularly in the CNS.[UniProtKB/Swiss-Prot Function]