

## Product datasheet for **SC335310**

### PKNOX1 (NM\_001286258) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PKNOX1 (NM_001286258) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKNOX1
Synonyms:	pkonx1c; PREP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335310 representing NM_001286258. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGTAAAAGCAATCCAGGTTTTGCGCATTCATCTTCTTGAGCTGGAAAAGGTTAACGAACCTGCAAA
GATTTCTGCAGTCGATACATTGCTTGCTGAAAACAAAATGAACAGTGAAACTCTGTTGAGTGGAGAG
CCTGGAAGCCCGTACTCACCAGTGCAGTCCCAGCAGATTCAAAGTGCATCACAGGCACCATCAGCCCT
CAGGGAATTGTGGTGCCGGCGTCCGCGTGCAGCAGGGAAACGTAGCCATGGCGACGGTGGCAGGTGGC
ACAGTGTATCAGCCTGTACGGTCGTACTCCCAAGGCCAAGTGGTCACACAGACATTGTCGCCTGGG
ACAATTAGGATCCAGAACTCCCAGTTCAGTTACAGTTAAACCAAGATCTCAGCATCTTGCATCAAGAT
GATGGTTCATCTAAGAACAAGAGGGCGTCTGCCAAAGCATGCCACGAACGTGATGCGGTCTGGCTC
TTCCAGCACATCGGGCATCCCTACCCAACAGAGGATGAGAAAAACAGATTGCTGCTCAGACAAATTTG
ACACTACTCCAAGTCAACAACTGGTTCATCAATGCCAGAAAGCAATTTCTCAGCCAATGTTGGATTCA
AGTTGTTCAGAGACCCCCAAAACAAAGAAAAAACTGCTCAGAACCGGCCAGTTCAGAGTTTTGGCCT
GATTCTATTGCATCAGGAGTCGCACAGCCACCGCCGAGCGAGCTCACCATGTCGGAAGGAGCTGTTGC
ACCATCACCACGCCCGTGAACATGAACGTGGACAGCCTTCAGTCTCTGTCTCGGACGGGGCCACCCTG
GCGGTGCAGCAGGTCATGATGGCAGGGCAGAGCGAGGACGAGTCTGTGGACAGCAGAGGAGGATGGC
GGTGCCCTGGCCCTGCCACATCAGCGGGCTGGTCTTGGAGAACAGTGACTCCCTGCAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001286258
Insert Size:	960 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>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_001286258.1</a></u>
<b>RefSeq Size:</b>	5180 bp
<b>RefSeq ORF:</b>	960 bp
<b>Locus ID:</b>	5316
<b>Cytogenetics:</b>	21q22.3
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	34.5 kDa
<b>Gene Summary:</b>	Activates transcription in the presence of PBX1A and HOXA1.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an exon in the 5' region and initiates translation from an in-frame downstream start codon compared to variant 1. The resulting isoform (2) has a shorter N-terminus compared to isoform 1.