

Product datasheet for **SC321300**

PKNOX1 (NM_004571) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PKNOX1 (NM_004571) Human Untagged Clone
Tag:	Tag Free
Symbol:	PKNOX1
Synonyms:	pkonx1c; PREP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004571.3
 ATAAAACCTCTGATGAACCATGATGGCTACACAGACATTAAGTATAGACAGCTATCAAGAT
 GGGCAACAGATGCAAGTAGTAACAGAGTTAAAGACAGAACAAGATCCAAACTGCTCTGAA
 CCCGATGCAGAAGGAGTGAGCCCTCCCCCTGTGGAGTCTCAGACCCCGATGGATGTGGAC
 AAGCAGGCCATTTATAGGCATCCACTATTTCCATTATTAGCTTTGTTGTTTAAAAATGT
 GAACAATCTACACAGGGCTCTGAAGGCACAACCTCTGCCAGTTTTGATGTAGACATCGAA
 AATTTTGTAAAGAAAGCAAGAGAAGGAAGGAAACCTTTCTTTTGTGAAGATCCAGAAACC
 GATAATTTAATGGTAAAAGCAATCCAGGTTTTGCGCATTTCATCTTCTTGAGCTGGAAAAG
 GTTAACGAACTCTGCAAAGATTTCTGCAGTCGATACATTGCTTGTCTGAAAACAAAAAATG
 AACAGTAAAACCTCTGTTGAGTGGAGAGCCTGGAAGCCCGTACTACCAGTGCAGTCCCAG
 CAGATTCAAAGTGCCATCACAGGCACCATCAGCCCTCAGGGAATTGTGGTGCCGGCGTCC
 GCGCTGCAGCAGGAAACGTAGCCATGGCGACGGTGGCAGGTGGCACAGTGTATCAGCCT
 GTCACGGTCGTCCTCCCAAGGCCAAGTGGTCACACAGACATTGTCGCCTGGGACAATT
 AGGATCCAGAACTCCCAGCTTCAGTTACAGTTAAACCAAGATCTCAGCATCTTGCATCAA
 GATGATGGTTCATCTAAGAACAAGAGGGGCGTCTGCCAAAGCATGCCACGAACGTGATG
 CGGTCCTGGCTCTTCCAGCACATCGGGCATCCCTACCCAACAGAGGATGAGAAAAACAG
 ATTGCTGCTCAGACAAATTTGACACTACTCCAAGTCAACAACCTGGTTCATCAATGCCAGA
 AGACGAATTTCTCAGCCAATGTTGGATTCAAGTTGTTGAGAGACCCCAAAAAAAGAAA
 AAAACTGCTCAGAACCAGGCGCAGTTCAGAGGTTTTGGCCTGATTCTATTGCATCAGGAGTC
 GCACAGCCACCGCCGAGCGAGCTCACCATGTGGGAAGGAGCTGTTGTACCATCACCACG
 CCCGTGAACATGAACGTGGACAGCCTTCAGTCTCTGTCTCGGACGGGGCCACCCTGGCG
 GTGCAGCAGGTGATGATGGCAGGGCAGAGCGAGGACGAGTCTGTGGACAGCACAGAGGAG
 GATGCGGGTGCCCTGGCCCTGCCACATCAGCGGGCTGGTCTTGGAGAACAGTACTCC
 CTGCAGTAGGGGAGGAGCAGACGCACCTGACTTTTTGGAGTTTGCACAGCAAACATTTT
 ACACAGTTTTATTCTAATATGTTTTATGTAGATATAGAAGAGTGCATTTTTGTATTT
 CATAGTAAGCTTAAAGCGCGTCTTTGCCGGTGCAGCGACTTTTCAAGTGTGTGTGTGT
 GTGTGTGTGTGCGTGTGTGCGTGTGTGGATTTTTAAAGAAATCTTTAAAGGTTTAAAC
 GCTAGATTGTGAGGAATGACACACCACTCCCTCCCCACCTGAATCCCTAATTAGATTAA
 GGAATAGCGCTGCCATTTTCTAAACCGTATGCGGTTGCACTTAGTTCTGTGGTTCCAG
 CAGATCTCAGTGGGCTGGTTGATTTGTGTGGCCATGGATTTGAAAGAAGCTGCTGCACC
 CGAAACTGCCAGTGTGCGGTGACAACGGCACACGCCTAGACTGAGTGTGGTTTCGTGCTG
 AGTGGATGGACGCAAGCTTAGCAAGCCTAAGTCCCCTCATGTTCAAGTGCCTGTTTCA
 TTTGCTATATAGAAAAAGAACTCCTATTTTTACCTTGCTGGAATTATTGGATAAAAAAG
 CTATTTTATAAATTCGTTATGAATTGGATGATGACTATATTGAGGATAAAATTTCTAGA
 GAAGAAACAATACATGCTTGCTATTAATATTTCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004571

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: 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.

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:	NM_004571.3 , NP_004562.2
RefSeq Size:	4997 bp
RefSeq ORF:	1311 bp
Locus ID:	5316
UniProt ID:	P55347
Cytogenetics:	21q22.3
Domains:	homeobox
Protein Families:	Transcription Factors
Gene Summary:	Activates transcription in the presence of PBX1A and HOXA1.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).