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Product datasheet for SC326758

MNX1 (NM_001165255) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MNX1 (NM_001165255) Human Untagged Clone
Tag:	Tag Free
Symbol:	MNX1
Synonyms:	HB9; HLXB9; HOXHB9; SCRA1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001165255 edited ATGGGGGGACTCTCAACAGTAGGTGCCTGCCCTGGAATCCTGGGCGCCCAACAAGCCCAG GCGCAGTCGAACCTCCTGGGGAAGTGCCGCCGGCCGCGCACCGCCTTCACCAGCCAGCAG CTGCTGGAGCTGGAGCACCAGTTCAAGCTCAACAAGTACCTGTCGCGGCCCAAGCGCTTC GAGGTGGCCACCTCGCTCATGCTCACCGAGACCCAGGTGAAGATTTGGTTCCAGAACCGG CGGATGAAATGGAAACGCAGCAAAAAGGCCAAAGAGCAGGCGGCGCAGGAAGCGGAGAAA CAGAAGGGCGGCGGCGGGGGCGCGGGGAAGGGCGGCGCGGAGGAGCCGGGAGCCGAGGAG CTGCTGGGGCCGCCAGCGCCCGGAGACAAGGGCAGCGGACGCCGCCTGCGGGACTTGAGG GACAGTGACCCCGAGGAGGACGAGGACGAGGACGACGAGGACCATTTCCCCTACAGCAAC GGCGCCAGCGTCCACGCCGCCTCCTCCGACTGCTCCTCGGAGGACGACTCGCCGCCCCCG CGGCCCAGCCACCAGCCCGCGCCCCAGTAG
Restriction Sites:	Please inquire
ACCN:	NM_001165255
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:	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.

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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:	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_001165255.1, NP_001158727.1
RefSeq Size:	1620 bp
RefSeq ORF:	570 bp
Locus ID:	3110
UniProt ID:	P50219
Cytogenetics:	7q36.3
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS
Protein Pathways:	Maturity onset diabetes of the young
Gene Summary:	This gene encodes a nuclear protein, which contains a homeobox domain and is a transcription factor. Mutations in this gene result in Currarino syndrome, an autosomic dominant congenital malformation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009] Transcript Variant: This variant (2) has an alternate 5' exon, as compared to variant 1. The resulting isoform (2) is shorter and has a distinct N-terminus, as compared to isoform 1.