

Product datasheet for RC228123

MNX1 (NM_001165255) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MNX1 (NM_001165255) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MNX1
Synonyms: HB9; HLXB9; HOXHB9; SCRA1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC228123 representing NM_001165255
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGGACTCTCAACAGTAGGTGCCTGCCCTGGAATCCTGGGCGCCCAACAAGCCAGGGCAGTCTGA
 ACCTCCTGGGAAGTGCCGCCGGCCGCGCACCGCCTTACCAGCCAGCAGCTGCTGGAGCTGGAGCACCA
 GTTCAAGCTCAACAAGTACCTGTCGCGGCCAAGCGCTTCGAGGTGGCCACCTCGCTCATGCTCACCAG
 ACCCAGGTGAAGATTTGGTTCCAGAACCAGCGGATGAAATGAAACGCAGCAAAAAGCCAAAGAGCAGG
 CGGCGCAGGAAGCGGAGAAACAGAAGGGCGCGCGGGGCGCGGGAAGGGCGCGGAGGAGCCGGG
 AGCCGAGGAGCTGCTGGGCGCCAGCGCCCGGAGACAAGGGCAGCGGACGCCGCCCTGCGGGACTTGAGG
 GACAGTGACCCCGAGGAGGACGAGGACGAGGACGACGAGGACCATTTCCCTACAGCAACGGCGCCAGCG
 TCCACGCCGCTCCTCCGACTGCTCCTCGGAGGACGACTCGCCGCCCGCGGCCAGCCACCAGCCCGC
 GCCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228123 representing NM_001165255
 Red=Cloning site Green=Tags(s)

MGGLSTVGACPGILGAQQAQAQSNLLGKRRPRTAFTSQQLLELHQFKLNKYLSPKRFEVATSLMLTE
 TQVKIWFQNRMKWKRKAKEQAAQAEKQKGGGGAGKGAEEPGEELLGPPAPGDKGSRRLRDLR
 DSDPEEDEDDEDHFPYSNGASVHAASSDCSSEDDSPPPRPSHQFAPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001165255

ORF Size: 567 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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 ORF: 570 bp

Locus ID: 3110

UniProt ID: [P50219](#)

Cytogenetics: 7q36.3

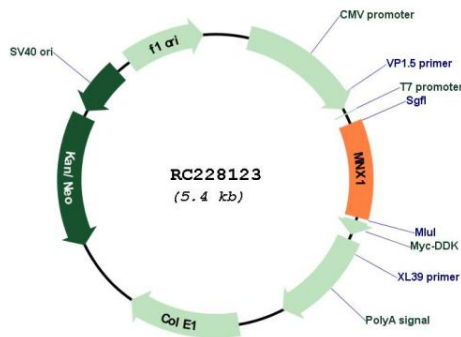
Protein Families: Druggable Genome, ES Cell Differentiation/IPS

Protein Pathways: Maturity onset diabetes of the young

MW: 20.4 kDa

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]

Product images:



Circular map for RC228123