OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC228149

Irx3 (NM_001253822) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Irx3 (NM_001253822) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Irx3
Synonyms:	AI894186
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Fully Sequenced ORF:

>MC228149 representing NM_001253822
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCTTCCCCCAGCTCGGATACCAGTACATCCGCCCTCTCTACCCACCCGAACGCCCGGGAGCTGCGG
GCGGCGGTGGAGGCGGCAGTAGCGCTGGGGGCCGGAGCGGTCCCGGCGCCGGAGCCTCCGAGTTGGCCGC
CTCTGGGTCCCTATCCAATGTGCTTTCATCAGTGTACGGGGCACCCTACGCCGCTGCCGCAGCTGCCGCC
GCCGCCGCTCAGGGTTACGGCGCCTTCCTGCCCTACGCCACGGAGCTGCCCATCTTCCCACAGCTGGGCG
CTCAGTATGAGCTGAAGGACAGCCCTGGCGTCCAGCATCCGGCCACGGCCGCCGCGTTCCCGCACCCGCA
CCCCGCCTTCTACCCCTATGGCCAGTACCAGTTCGGGGACCCGTCCCGTCCCAAGAACGCCACCCGGGAA
AGCACGAGCACGCTCAAGGCCTGGCTCAACGAGCACCGCAAGAACCCGTACCCCACCAAGGGCGAGAAGA
TCATGTTGGCCATCATCACCAAGATGACCCTCACCCAGGTGTCCACCTGGTTCGCCAACGCGCGCCGGCG
CCTCAAGAAGGAGAACAAGATGACGTGGGCTCCCCGTAGTCGCACGGACGAGGAGGGCAATGCTTATGGG
AGCGAGCGGGAGGAGGAGGACGAAGAGGAAGACGAGGAAGAGAGCAAACGCGAGCTGGAGATGGAGGAGG
AGGAGCTCGCAGGAGAGGAGGAGGACACGGGGGGCGAGGGGCTGGCCGACGACGACGAGGATGAGGAGAT
CGATTTGGAAAACTTAGACAGCGCGGCAGCCGGGTCGGAGCTGACCCTGGCTGGGGCGGCGCACAGGAAC
GGCGACTTCGGCCTGGGACCCATTTCGGACTGCAAAACTAGCGACTCGGACGACAGCTCCGAAGGCTTGG
AGGACCGACCACTGTCGGTCCTGAGCCTGGCCCCACCGCCACCGCCCGTGGCCAGGGCTCCTGCATCTCC
ACCTTCTCCACCCTCCAGCCTGGATCCCTGCGCTCCGGCCCCGGCGCCCTCCTCCGCCCTCCAGAAGCCC
AAGATCTGGTCACTGGCCGAGACGGCCACCAGCCCGGACAACCCACGCCGCTCGCCTCCCGGAGCCGGAG
GTTCGCCTCCCGGCGCAGCCGTTGCGCCCCCGACGCTGCAGCTCTCGCCCGCGGCCGCTGCAGCGGCTGC
AGCGGCACACAGACTCGTGTCGGCGCCGCTTGGCAAATTCCCCGCTTGGACCAACAGGCCTTTCCCAGGG
CCGCCGGCCGGTCCGCGGCCGCACCCGCTGTCCATGCTGGGCTCGGCCCCACAGCACCTGCTGGGACTTC
CCGGAGCCGCAGGTCATCCCGCTGCGGCCGCAGCCGCCTATGCTCGGCCTGCCGAGCCGGAGAGTGGAAC
AGGTGACAAGAAAAATATCGCTGTAGTGCCTTGGAAGTGGAGAAAAAGTTACTCAAGACAGCTTTCCAGC
CGGTGCCAAGGCGGCCACAGAACCATCTGGACGCTGCTCTGGTCTTATCAGCTCTCTCCTCGTCTTAACT
TTTCAACCATTTTTAAATCGTTGTACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001253822

Insert Size: 1569 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001253822.1, NP_001240751.1
RefSeq Size:	2363 bp
RefSeq ORF:	1569 bp
Locus ID:	16373
UniProt ID:	P81067
Cytogenetics:	8 44.55 cM
Gene Summary:	Transcription factor involved in SHH-dependent neural patterning (PubMed:10830170, PubMed:15201216). Together with NKX2-2 and NKX6-1 acts to restrict the generation of motor neurons to the appropriate region of the neural tube (PubMed:10830170, PubMed:15201216). Belongs to the class I proteins of neuronal progenitor factors, which are repressed by SHH signals (PubMed:10830170, PubMed:15201216). Involved in the transcriptional repression of MNX1 in non-motor neuron cells (PubMed:15201216). Acts as a regulator of energy metabolism (PubMed:24646999).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US