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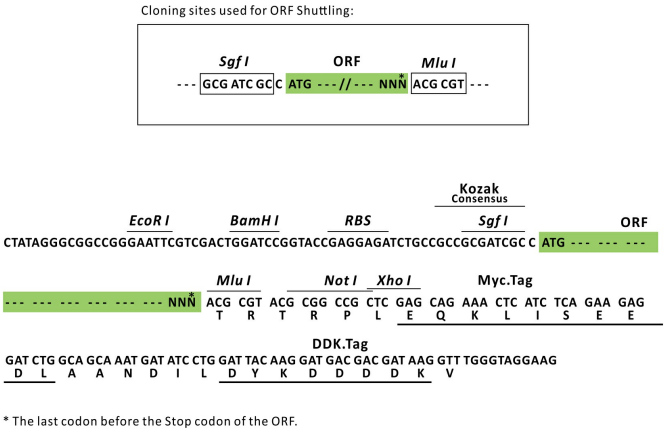
Product datasheet for MR208149L3

Irx3 (NM_008393) Mouse Tagged Lenti ORF Clone

Product data:

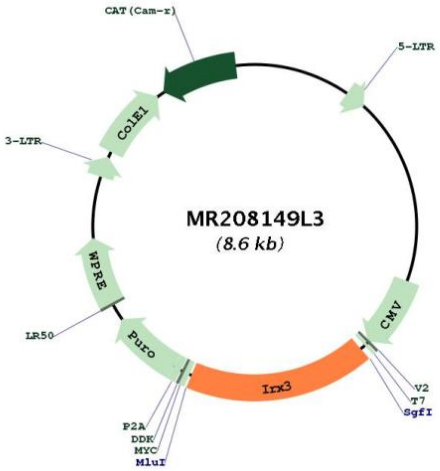
Product Type:	Expression Plasmids
Product Name:	Irx3 (NM_008393) Mouse Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	Irx3
Synonyms:	AI894186
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208149).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	



* The last codon before the Stop codon of the ORF.

View online »

Plasmid Map:



ACCN:	NM_008393
ORF Size:	1521 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
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_008393.3, NP_032419.2
RefSeq Size:	2349 bp
RefSeq ORF:	1524 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]