

Product datasheet for **MR205847**

Nif3l1 (NM_022988) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Nif3l1
Synonyms:	1110030G24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR205847 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTCATCGGCACACCTAGTCCCTACAAGTGTGCAACGTGCCAGTCGTGGATCTGCAGGTCTTCCC
GTTCTTTCATGGATCTGAAGGCTCTTCTCTCGTCCTTGAATGACCTTTCATCTCTGAGAG
CTGGGACAATGTGGGATTACTGGTGGAGCCAAGCCACCCCATCTGTAATACACTCTTCTGACCAAT
GACCTGACGGAGGAGTCAATGACGAGGCTCTGCAAAAGAAGGCAGACTTCATTCTCTCTACCATCCAC
CTATTTTCCGGCCCATGAAGCACATAACTTGGAAAACCTGGAAGGAGTGTCTCGTGATCCGGGCTCTGGA
GAACAGAGTCGCTGTCTACTCTCCCAACAGCCTATGATGCGGCACCCAGGGAGTCAACAGCTGGTTG
GCCAAAGGGCTTGAACCTTGCACTACCAGGCCCATCCACCCTTCCAGAGCTCCAGACTACCCACAGAGG
GAGCTCACCGACTAGAATTCAGTGTGAACCGCAGCCAAGACCTGGACAAAGTCATGTCTACACTGAGAGG
GGTTGGAGGTGTCTGTCACTTCTTTTCTGCGAGGTGTGATGGTGAAGAGCAAAACCGGATCAGCCTG
AATTGTACTCAGAAGACTTTGATGCAGGTGCTAGCCTTTCTTTCCAGGACAGACAACCTTTATCAGAAAA
CTGAAATCTTTTCATTGGAGAAGCCTTTGCTTCTGCATACTGGAATGGGACGGTTGTGCACACTGGATGA
ATCTGTCTCCCTGGCAATAATGATAGAGCGAATCAAAACACACCTAAAGCTGTGCGATCTTCGCTTAGCT
CTTGGAGTGGGGAGAACATTAGAGTCCCAAGTCAAAGTTGTGGCCCTGTGTGCTGGTTCTGGGGGCACTG
TTCTACAAGGAGTGGAGGCCGACCTTTACCTCACAGGTGAAATGTCCACCATGATGTTCTGGATGCTGC
TTCAAAGGGATCAATGTCATCCTTTGTGAACACAGCAACACTGAAAGAGGCTTCCTTTCTGAGCTTCAA
GAAATGCTGGGTGTTCACTTTGAGAATAAGATTACATTATCTGTCTGAGACAGACAGGGACCCCTCC
GTGTGGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



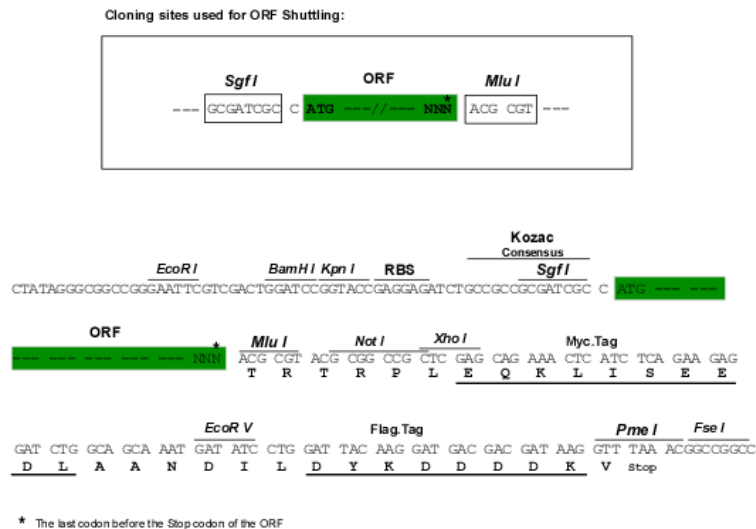
Protein Sequence: >MR205847 protein sequence
Red=Cloning site Green=Tags(s)

MLSSAHLVPTSVQRAQSWICRSSFMDLKALLSSLNDFASLSFAESWDNVGLLVEPSPPHVTNTLFLTNDL
DLTEEVMEALQKKADFILSYHPIFRPMKHITWKTWKECLVIRALENRVAVYSPHTAYDAAPQGVNSWL
AKGLGTCTTRPIHPSRAPDYPTTEGAHRLFSVNRSQDLDKVMSTLRGVGGVSVTSFPARCDGEEQTRISL
NCTQKTLMQVLAFLSQDRQLYQKTEILSLEKPLLLHTGMGRCLTLDSEVSLAIMIERIKTHLKLHLRLA
LGVGRTLESQVKVVALCAGSGGSVLQGV EADLYLTGEMSHHDVLDAAASKGINVILCEHSNTERGFLSELQ
EMLGVHFENKINIILSETDRDPLRVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022988

ORF Size: 1128 bp

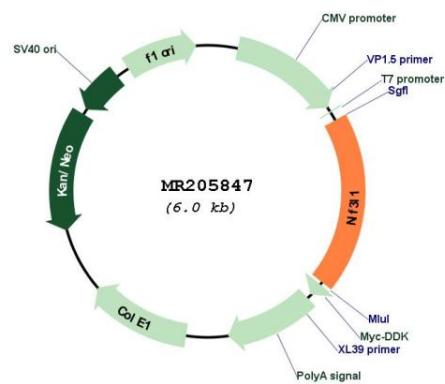
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_022988.3</u>
RefSeq Size:	2161 bp
RefSeq ORF:	1131 bp
Locus ID:	65102
UniProt ID:	<u>Q9EQ80</u>
Cytogenetics:	1 C1.3
MW:	41.7 kDa
Gene Summary:	This gene is a member of the NGG1-interacting factor 3-like superfamily of transcriptional regulators and is ubiquitously expressed throughout embryonic development. The encoded protein interacts with a component of the constitutive photomorphogenesis 9 signalosome, and functions as a transcriptional corepressor of genes involved in neuronal differentiation. This gene is highly conserved from bacteria to human. [provided by RefSeq, Sep 2016]

Product images:



Circular map for MR205847