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Product datasheet for RC226369

NIR2 (PITPNM1) (NM_001130848) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NIR2 (PITPNM1) (NM_001130848) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NIR2
Synonyms:	DRES9; NIR2; PITPNM; Rd9; RDGB; RDGB1; RDGBA; RDGBA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC226369 representing NM_001130848
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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ATGCTCATCAAGGAATACCACATTCTGCTGCCCATGAGCCTGGACGAGTACCAGGTGGCCCAGCTCTACA
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GCCCTTGTCTCCAACCTGAGCCCTTACAGCCACGATGGGGACAGCCTGTCTCGCTCCCAAGACCACATTC
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Protein Sequence:

>RC226369 representing NM_001130848
Red=Cloning site Green=Tags(s)

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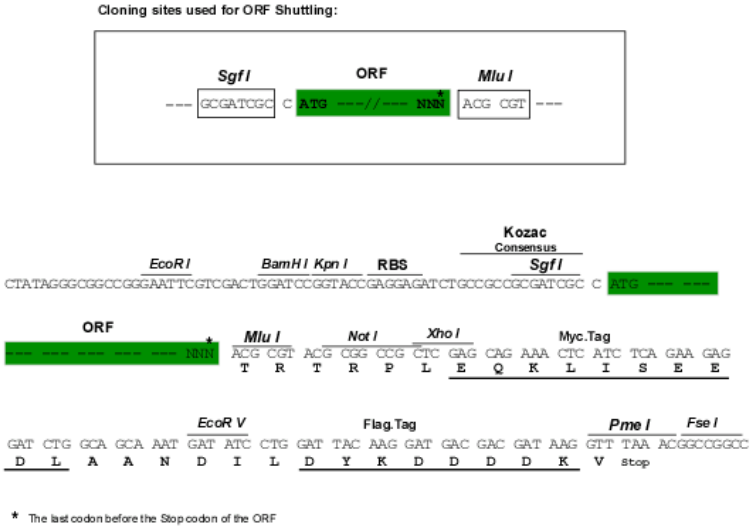
Chromatograms: https://cdn.origene.com/chromatograms/mk8103_b04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

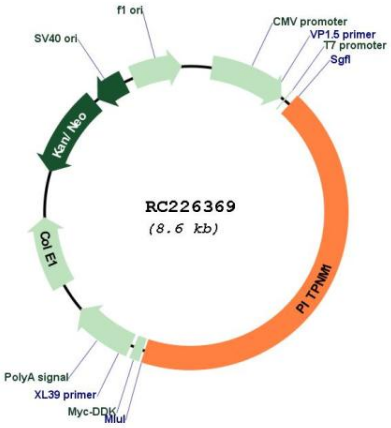


ACCN: NM_001130848

ORF Size: 3729 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_001130848.2
RefSeq Size:	4245 bp
RefSeq ORF:	3732 bp
Locus ID:	9600
UniProt ID:	O00562
Cytogenetics:	11q13.2
Protein Families:	Druggable Genome
MW:	134.8 kDa
Gene Summary:	PITPNM1 belongs to a family of membrane-associated phosphatidylinositol transfer domain-containing proteins that share homology with the Drosophila retinal degeneration B (rdgB) protein (Ocaka et al., 2005 [PubMed 15627748]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC226369