

Product datasheet for **RC224889**

NIPAL2 (NM_024759) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	NIPAL2
Synonyms:	NPAL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224889 representing NM_024759
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCGGTGGCGCCCGCGGGCCCGGGGACTCCGCCTCGGCCGCCCTGGACGAGCTGTCACTGAATT
TCACGTACGGGGCACCAGGCGCCGGCAACGGCTCCCTCTCGGGCGACTGGTACCGCAGGAACAGATTCA
CCTTTTGGAGTTTGTGGCTATTTAGGAACTTGGTGATCAGTATTTCTCTAAATATTCAGAAATAT
TCTCACCTTCAGCTGGCACAACAAGAGCACCAAGGCCATACTTCAAGAGTGTGCTGTGGTGGGTGGTG
TCCTGTGATGGCCGTGGGAGAGACGGGGAACTTGCAGCCTATGGATTGCTCCCACTACTCTGATCGC
TCCGTTAGGCTGTGTGTCTGTTACAGGTAGTGCCATTATTTCTGTTACATTTCTGAAAGACAATTTGAGA
GCCTCAGACTTACTCGGTACGACACTGGCATTTCAGGAACATATTTACTGGTGAATTTGCTCCAAATA
TAACTCAGGCAATCTCAGCAAGAAGCAGTACAGTATTACCTTGTGGATGGCAGTTCTGATCTATGTGAT
TTTAGAAATATTAATTTCTGCATTCTCCTGTATTTCTATAAAAGAAAAGGAATGAAGCATATGGTGATT
CTGCTAACCTGGTGGCAATTTAGCCTCATTGACTGTTATTTAGTAAAGGCCGTCTCAGGCATGATCA
CTTTTCTGTGATGGATAAAATGCAACTAACTACCCATTTCTATATCATGTTTATCATCATGATAGC
ATCTTGTGTTTTCAAGTCAAGTTCCTGAATCAAGCCACGAACTCTACAATACGACAACAGTGGTGCCA
GTTAATCATATTTCTTTACAATCAGTGCCATCATTGCAGGTATCATATTTATCAGGAATTCCTTGGTG
CTCCTTTTCTCACTGTATTTATATATCTTTTGGGTGTTTCTGTCATTCTTGGTGTATTTTGGTCAC
AAGAAATCGAGAAAAGAACATCTGCAACAGTCTTATATTGATTTTGGAAATATTCCTGACACAACCCCA
GAGAGAAAGCCTTGGAGGGAACAAATGTTGGACAAAATACAACCAGATTACACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



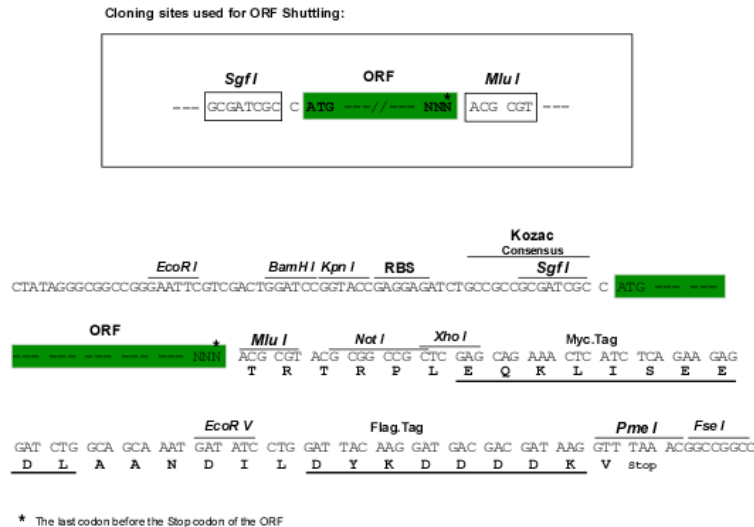
Protein Sequence: >RC224889 representing NM_024759
Red=Cloning site Green=Tags(s)

MAAVAPAGPGDSASAALDELSLNFTYGAPGAGNGSLSGDWYRRNQIHLFGVLLAILGNLVISISLNIQKY
SHLQLAQQEHPRPYFKSVLWGGVLLMAVGETGNFAAYGFAPITLIAPLGCVSVTGSAIISVTLKDNLR
ASDLLGTTLAFAGTYLLVNFAPNITQAIARTVQYYLVGWQFLIYVILEILIFCILLYFYKRKGKMHMVI
LLTLVAILASLTVISVKAVSGMITFSVMDKMQLTYPIFYIMFIIMIASCVFQVKFLNQATKLYNTTTTVP
VNHIFTISAIAGIIFYQEFLGAPFLTTFIYLFGCFLSFLGVFLVTRNREKHLQQSYIDFGNIPDTP
ERKAWRETNVGQNTTRFT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024759

ORF Size: 1104 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: [NM_024759.3](#)

RefSeq Size: 2255 bp

RefSeq ORF: 1107 bp

Locus ID: 79815

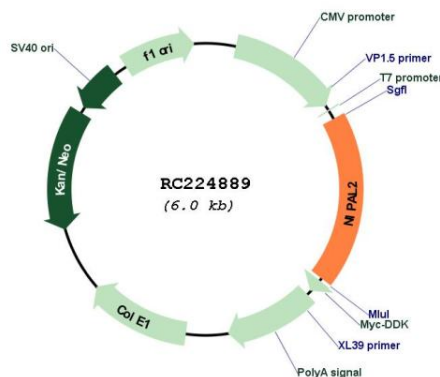
UniProt ID: [Q9H841](#)

Cytogenetics: 8q22.2

Protein Families: Transmembrane

MW: 40.6 kDa

Product images:



Circular map for RC224889