

Product datasheet for **RC201806**

NUP88 (NM_002532) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP88 (NM_002532) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NUP88
Synonyms:	FADS4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC201806 representing NM_002532
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCCGCCGAGGGACCGGTGGGCGACGGCGAGCTGTGGCAGACCTGGCTTCTAACCACGTCGTGT
 TCTTGCGGCTCCGGGAGGGACTGAAAAACCAGAGTCCAACCGAAGCTGAGAAACCAGCTTCTTCGTCGTT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RC201806 representing NM_002532
 Red=Cloning site Green=Tags(s)

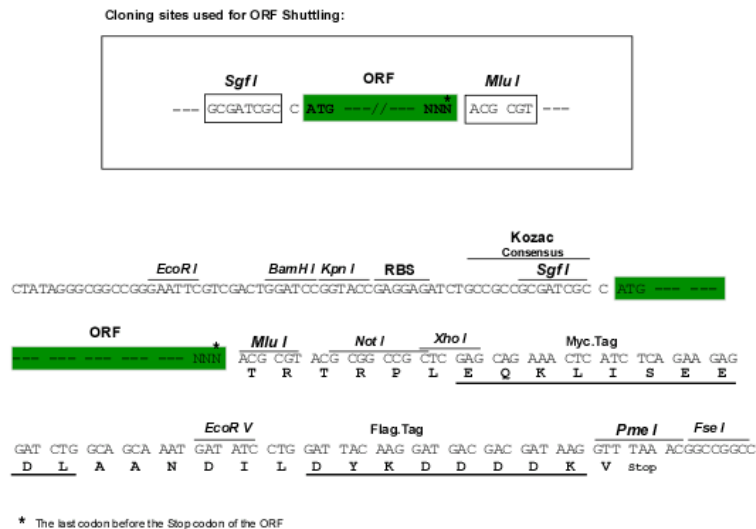
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 EKQEDIMNRMKLLHSFHELPLVSDSERDMKKELQLIPDQLRHLGNAIKQVTMKKDYQQQKMEKVLSP
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4610_a09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002532

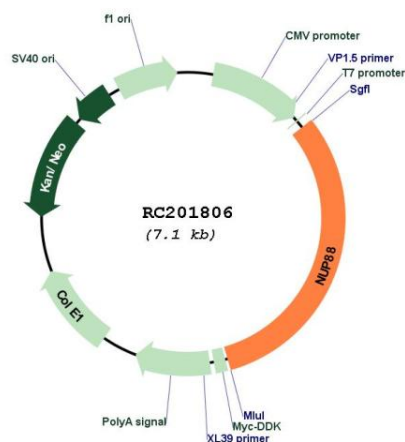
ORF Size: 2223 bp

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](#)

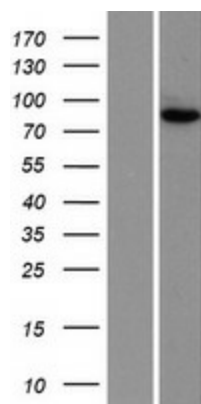
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_002532.6
RefSeq Size:	2381 bp
RefSeq ORF:	2226 bp
Locus ID:	4927
UniProt ID:	Q99567
Cytogenetics:	17p13.2
MW:	83.4 kDa
Gene Summary:	The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins, a family of 50 to 100 proteins, are the main components of the nuclear pore complex in eukaryotic cells. The protein encoded by this gene belongs to the nucleoporin family and is associated with the oncogenic nucleoporin CAN/Nup214 in a dynamic subcomplex. This protein is also overexpressed in a large number of malignant neoplasms and precancerous dysplasias. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RC201806



Western blot validation of overexpression lysate (Cat# [LY419266]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201806 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).