

Product datasheet for **RC208291**

NOC3L (NM_022451) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOC3L (NM_022451) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NOC3L
Synonyms:	AD24; C10orf117; FAD24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC208291 representing NM_022451
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAAGGCGAGAAGAAATAAAAACAGATTCCAAGCTTTCGCAAGTTAATAAAAACTAGTAAAGTCAAAC
 TTGAAAAACAAGCTAAAAATAAGCAGTTTAAACAACAAAGCACTCTCAAGAAGTACCGAAAAAGAACAGAG
 GAAACTAAGGCAAGCTGTGAAAGATGCTGTGTCTAAGAAACCCATTCCATTGGAGAACCCAAAGGAAAAAG
 CGACCAGGTAAGAGATTGAGAGGGAAGAAGAGGAAGAAGAAGGCCCTTCCTTTAGATATGATGGATG
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 CAAAATTGATATCTGAAATGTGTTGTGAAGCTGTGAAGAACTCTTAAAGCAAGATAAATTAGGCCAAGC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208291 representing NM_022451
 Red=Cloning site Green=Tags(s)

MKARRNKKQIPSFRLIKTSKVLENKLNKQFKQQSTLKKYRKEQRKLQAVKDAVSKKPIPLENPKEK
 RPGKRIEREEEEEEALPLDMMDEDDLQMKDLGQRVSFSTRDLSSSEPVHAKKRKHERIIDKYEKIPRT
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 AEKSTKTRKETQKLREFEEGLVSQYKFYLENLEQMVKDWKQKLLKSNVVSLLKAYKGLAEVAVKSLCELL
 VALPHFNHNNIIVLIVPLMNDMSKLISEMCCEAVKKLFKQDKLGQASLGVIKVISGFVKGRNYEVRPEM
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 CTLALHVLPNSSIGILATTRILMHTFPKTDLLDSESQSGGVFLPELDEPEYCNAQNTALWELHALRRHY
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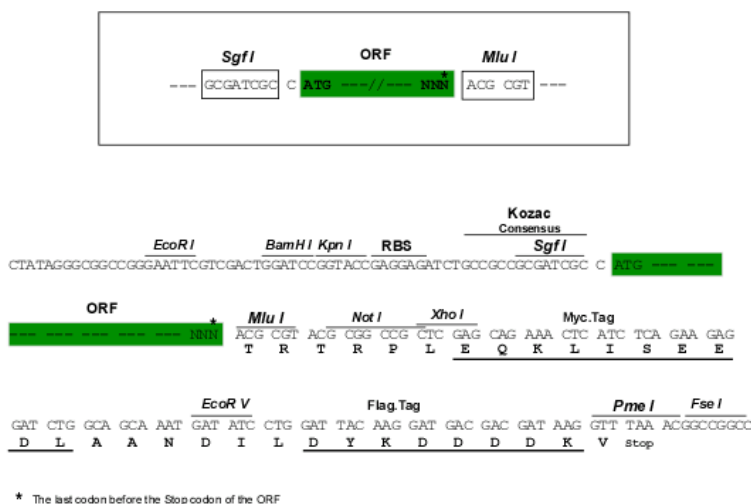
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8113_f10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM 022451

ORF Size: 2400 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_022451.9](#), [NP_071896.8](#)

RefSeq Size: 3475 bp

RefSeq ORF: 2403 bp

Locus ID: 64318

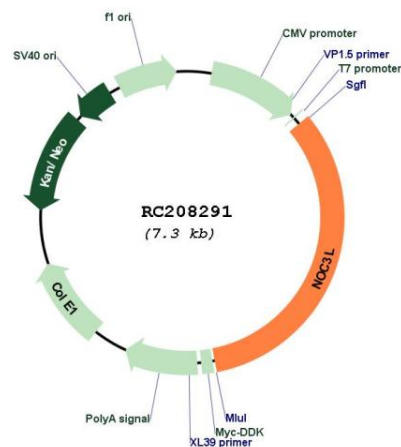
UniProt ID: [Q8WTT2](#)

Cytogenetics: 10q23.33

MW: 92.4 kDa

Gene Summary: May be required for adipogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC208291