

Product datasheet for RC231777

Nucleotide binding protein like (NUBPL) (NM_001201574) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nucleotide binding protein like (NUBPL) (NM_001201574) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nucleotide binding protein like
Synonyms:	C14orf127; hulnd1; IND1; MC1DN21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231777 representing NM_001201574 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCACCAGGAAGTGGAGATGTGCAGTTATCAGTCTCACAGAATATTCCTATAACAGGTGCTGTGATTG
 TCTCCACGCCCCAGGACATCGCATTGATGGATGCACACAAGGGTCTGAGATGTTTCGAGAGTCCACGT
 GCGCGTCTTGGCCTTGCCAAACATGAGTGTTCAGTGTCCAAATGTAACACAAAACATCATATT
 TTTGGTCTGATGGTGAAGGAACTAGCACAGACCCTTGGTCTTGAAGTTCTAGGAGACATTCCTTAC
 ACCTTAATATAAGGGAAGCTTCAGATACAGGCCAGCCAATTGTGTTTCACAGCCTGAAAGTGATGAGGC
 CAAAGCTTACTTGAGGATTGCTGTGGAAGTGGTAAGAAGATTGCCATCACCTTCAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC231777 representing NM_001201574 Red=Cloning site Green=Tags(s)
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MPPGTGDVQLSVSQNIPITGAVIVSTPQDIALMDAHKGAEMFRRVHVPVLGLVQNMSVFQCPKCKHKTHI
 FGADGARKLAQTLGLEVLGDIPLHLNIREASDTGQPIVFSQPESDEAKAYLRIAEVVRRLPSPSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:	SgfI-MluI
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Cloning Scheme:



ACCN: NM_001201574

ORF Size: 408 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_001201574.1](#), [NP_001188503.1](#)

RefSeq Size: 2739 bp

RefSeq ORF: 411 bp

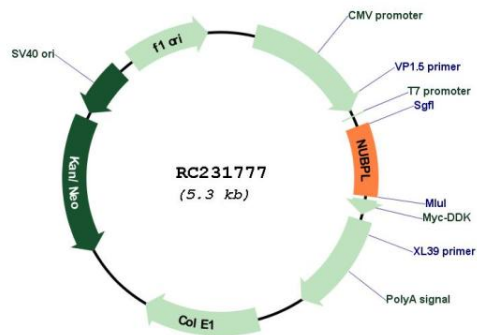
Locus ID: 80224

Cytogenetics: 14q12

MW: 15.2 kDa

Gene Summary: This gene encodes a member of the Mrp/NBP35 ATP-binding proteins family. The encoded protein is required for the assembly of the respiratory chain NADH dehydrogenase (complex I), an oligomeric enzymatic complex located in the inner mitochondrial membrane. Mutations in this gene cause mitochondrial complex I deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

Product images:



Circular map for RC231777