

## Product datasheet for **RG231777**

### 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:** TurboGFP  
**Symbol:** NUBPL  
**Synonyms:** C14orf127; hulnd1; IND1; MC1DN21  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231777 representing NM\_001201574  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCACCAGGAAGTGGAGATGTGCAGTTATCAGTCTCACAGAATATTCCTATAACAGGTGCTGTGATTG  
TCTCCACGCCCCAGGACATCGCATTGATGGATGCACACAAGGGTCTGAGATGTTTCGCAGAGTCCACGT  
GCCCGTCTTGGCCTTGCCAAAACATGAGTGTTCAGTGTCCAAAATGTAACACAAAACATCATTT  
TTTGGTGTGATGGTGAAGGAACTAGCACAGACCCTTGGTCTTGAAGTCTAGGAGACATTCCTTAC  
ACCTTAATATAAGGGAAGCTTCAGATACAGGCCAGCCAATTGTGTTTTACAGCCTGAAAGTGATGAGGC  
CAAAGCTTACTTGAGGATTGCTGTGGAAGTGGTAAAGATTGCCATCACCTTCAGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG231777 representing NM\_001201574  
Red=Cloning site Green=Tags(s)  
MPPGTGDVQLSVSQNIPITGAVIVSTPQDIALMDAHLKGAEMFRRVHVPVGLVQNMSVFQCPKCKHKHTHI  
FGADGARKLAQTLGLEVLGDIPLHLNIREASDTGQPIVFSQPESDEAKAYLRIAVEVRRRLPSPSE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

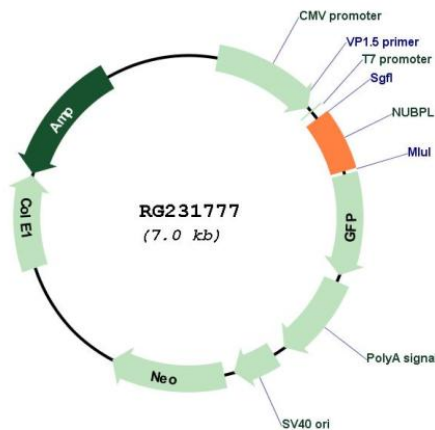


[View online »](#)

Cloning Scheme:



Plasmid Map:



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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001201574.1</a></u> , <u><a href="#">NP_001188503.1</a></u>
<b>RefSeq Size:</b>	2739 bp
<b>RefSeq ORF:</b>	411 bp
<b>Locus ID:</b>	80224
<b>Cytogenetics:</b>	14q12
<b>Gene Summary:</b>	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]