

## 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:** NUBPL  
**Synonyms:** C14orf127; hulnd1; IND1; MC1DN21  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC231777 representing NM\_001201574  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

**ATGCCACCAGGA**ACTGGAGATGTCAGTTATCAGTCTCACAGAATATTCCTATAACAGGTGCTGTGATTG  
TCTCCACGCCCCAGGACATCGCATTGATGGATGCACACAAGGGTCTGAGATGTTTCGCAGAGTCCACGT  
GCCCGTCTTGGCCTTGTCCAAAACATGAGTGTTCAGTGTCCAAAATGTAACACAAAACATCATATT  
TTTGGTGCTGATGGTGAAGGAACTAGCACAGACCCTTGGTCTTGAAGTTCTAGGAGACATTCCTTAC  
ACCTTAATATAAGGGAAGCTTCAGATACAGGCCAGCCAATTGTGTTTTACAGCCTGAAAGTGATGAGGC  
CAAAGCTTACTTGAGGATTGCTGTGGAAGTGGAAGATTGCCATCACCTTCAGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC231777 representing NM\_001201574  
Red=Cloning site Green=Tags(s)

MPPGTGDVQLSVSQNIPITGAVIVSTPQDIALMDA HKGAEMFRRVHVPVLGLVQNMSV FQCPKCKHKHTHI  
FGADGARKLAQTLGLEVLGDIPLHLNIREASDTGQPIVFSQPESDEAKAYLRIAVEVRRRLPSPSE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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<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>MW:</b>	15.2 kDa
<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]