

## Product datasheet for **SC329638**

### Nucleotide binding protein like (NUBPL) (NM\_001201573) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nucleotide binding protein like (NUBPL) (NM\_001201573) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** NUBPL  
**Synonyms:** C14orf127; hulnd1; IND1; MC1DN21  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329638 representing NM\_001201573.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

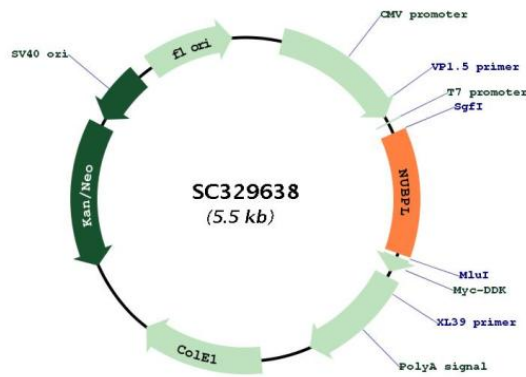
```
ATGTCCAAGGCCATTGGTTTGCTAGATGTGGATGTGTATGGACCTTCAGTTCCAAAGATGATGAATCTG
AAAGGAAATCCGGAATTATCACAGAGCAACCTAATGAGGCCTCTCTTGAATTATGGTATTGCTTGTATG
TCTATGGGCTTTCTGGTTGAAGAAAGTGAACCAGTAGTTTGGAGAGGCCTTATGGTAATGTCGGCCATT
GAGAAATTGTTGAGGCAGGTAGATTGGGGTCAACTGGACTACTTAGTTGTAGACATGCCACCAGGAACT
GGAGATGTGCAGTTATCAGTCTCACAGAATATTCCTATAACAGGTGCTGTGATTGTCTCCACGCCCCAG
GACATCGCATTGATGGATGCACACAAGGGTGTGAGATGTTTCGCAGAGTCCACGTGCCCGTCTTGGC
CTTGTCAAAACATGAGTGTTTTCCAGTGTCCAAAATGTAACACAAAACATCATATTTTTGGTGCTGAT
GGTGCAAGGAAACTAGCACAGACCTTGGTCTTGAAGTCTAGGAGACATTCCCTTACACCTTAATATA
AGGGAAGCTTCAGATACAGGCCAGCCAATTGTGTTTTACAGCCTGAAAGTGATGAGGCCAAAGCTTAC
TTGAGGATTGCTGTGGAAGTGTAAGAAGATTGCCATCACCTTCAGAATGA
```

**Restriction Sites:** Sgfl-Mlul



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Plasmid Map:



ACCN: NM\_001201573

Insert Size: 672 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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\\_001201573.1](#)

**RefSeq Size:** 2836 bp

**RefSeq ORF:** 672 bp

**Locus ID:** 80224

**UniProt ID:** [Q8TB37](#)

**Cytogenetics:** 14q12

**MW:** 24.4 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]

Transcript Variant: This variant (2) lacks two exons from the 5' end and has an alternate 5' exon, as compared to variant 1. The resulting isoform (2) has a shorter N-terminus, as compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.