

Product datasheet for **SC331402**

NPL (NM_001200051) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NPL (NM_001200051) Human Untagged Clone
Tag: Tag Free
Symbol: NPL
Synonyms: C1orf13; C112; NAL; NPL1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331402 representing NM_001200051.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCCTTCCCAAAGAAGAACTTCAGGGTCTTGTGGCTGCAACCATCACGCCAATGACTGAGAATGGA  
GAAATCAACTTTTCAGTAATTGGTCAGTATGTGGATTATCTTGTGAAAGAACAGGGAGTGAAGAACATT  
TTTGTGAATGGCACAACAGGAGAAGGCCTGTCCCTGAGCGTCTCAGAGCGTCGCCAGGTTGCAGAGGAG  
TGGGTGACAAAAGGAAGGACAAGCTGGATCAGGTGATAATTCACGTAGGAGCACTGAGCTTGAAGGAG  
TCACAGGAAGTGGCCCAACATGCAGCAGAAATAGGAGCTGATGGCATCGTGTCATTGCACCGTTCTTC  
CTCAAGCCATGGACCAAAGATATCCTGATTAATTTCTAAAGGAAGTGGCTGCTGCCGCCCTGCCCTG  
CCATTTTATTACTATCACATTCCTGCCTTGACAGGGGTAAGATTTCGTGCTGAGGAGTTGTTGGATGGG  
ATTCTGGATAAGATCCCCACCTTCCAAGGGCTGAAATTCAGTGATACAGATCTCTTAGACTTCGGGCAA  
TGTGTTGATCAGAATCGCCAGCAACAGTTTGTCTTCTTTTGGGGTGGATGAGTTTTGTATCCAGAGA  
TTTATCAACTTTGTTGTCAAAGTAACTAGAAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG  
CTGGGCACCACAAACTTCCCCTTCTCCACTGA
```

Restriction Sites: SgfI-MluI
ACCN: NM_001200051
Insert Size: 723 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_001200051.1](#)

RefSeq Size: 1856 bp

RefSeq ORF: 723 bp

Locus ID: 80896

UniProt ID: [Q9BXD5](#)

Cytogenetics: 1q25.3

Protein Pathways: Amino sugar and nucleotide sugar metabolism

MW: 26.8 kDa

Gene Summary: This gene encodes a member of the N-acetylneuraminate lyase sub-family of (beta/alpha)(8)-barrel enzymes. N-acetylneuraminate lyases regulate cellular concentrations of N-acetylneuraminic acid (sialic acid) by mediating the reversible conversion of sialic acid into N-acetylmannosamine and pyruvate. A pseudogene of this gene is located on the short arm of chromosome 2. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]
Transcript Variant: This variant (4) has multiple differences in the 3' coding region, compared to variant 1. The encoded isoform (4) is shorter and has a distinct C-terminus, compared to isoform 1.