

## Product datasheet for **RC232857**

### **NPEPL1 (NM\_001204872) Human Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                          |
| Product Name:             | NPEPL1 (NM_001204872) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                      |
| Symbol:                   | NPEPL1                                       |
| Synonyms:                 | bA261P9.2                                    |
| Mammalian Cell Selection: | Neomycin                                     |
| Vector:                   | pCMV6-Entry (PS100001)                       |
| E. coli Selection:        | Kanamycin (25 ug/mL)                         |



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**ORF Nucleotide Sequence:**

>RC232857 representing NM\_001204872  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAACTACATGGAGGTAACAGAGGAGGGTACCAACCAAAGGCCCTTGAGCAATCAGGATGTTGGCTCT  
 GGCAGGCTGCCCTGAGCAGCTCAACCCCAACCCACGGACAGCTGTCCCCTCTACTGAACTACGCCAC  
 CGTGGCTGCCCTGCCCTGCAAGGTGAGCCGGCACAACAGCCCCTCGGCCGCCACTTCATCACGCGGCTG  
 GTGCGGACCTGCCTGCCGCCGAGCGCATCGCTGCATTGTGATGGTCTGCGAGCAGCCGGAGGTCTTTG  
 CTTCCGCTGTGCCCTGGCCCGGCCTTCCCGCTGTTACCCACCGCTCAGGTGCCTCTCGGCGCTTGA  
 GAAGAAGACGGTCACCGTGGAGTTTTCTGGTGGGACAAGACAACGGGCCGGTGGAGGTGTCCACATTG  
 CAGTGCTTAGCGAATGCCACAGACGGCTGCGGCTAGCAGCCGCATCGTGGACACACCTGCAATGAGA  
 TGAACACCGACACCTTCTCGAGGAGATTAACAAAGTTGAAAGGAGCTGGGGATCATCCCAACCATCAT  
 CCGGGATGAGGAACTGAAGACGAGAGGATTTGGAGGAATCTATGGGGTTGGCAAAGCCGCCCTGCATCCC  
 CAGCCCTGGCCGCTCAGCCACACCCAGATGGAGCCACGCAGACCATCGCCTGGGTGGGCAAAGGCA  
 TCGTCTATGACTGGAGGCTCAGCATCAAAGGGAAGACTACCATGCCGGGGATGAAGCGAGACTGCGG  
 GGTGCTGCGGCCGCTCTGGGGCCCTCAGAGCCGAATCAAGCAGGGTTTCAAAGACAACCTCCACGCT  
 GTGTTCTGCTGGCTGAGAACTCGTGGGGCCCAATGCGACAAGGCCAGATGACATCCACCTGCTGTACT  
 CAGGGAAGACGGTGGAAATCAACAACACGGATGCCGAGGGCAGGCTGGTGTGCGAGATGGCGTGTCTTA  
 TGCTTGAAGGACCTGGGGCCGACATCATCTGGACATGGCCACCCTGACCGGGGCTCAGGGCATTGCC  
 ACAGGGAAGTACCACGCCGCGGTGCTCACCAACAGCGCTGAGTGGGAGGCCGCTGTGTGAAGCGGGCA  
 GGAAGTGTGGGACCTGGTGCACCCGCTACTGCCCGAGCTGCACTTCAGCGAGTTCACCTCAGC  
 TGTGGCGGACATGAAGAAGTCAAGTGGCGGACCGAGACAACAGCCCAAGCTCTGTGCTGGCCTCTTCATC  
 GCCTCACACATCGGCTTCGACTGGCCCGGAGTCTGGGTCCACCTGGACATTGCTGCACCGGTGCATGCTG  
 GTGAGCGAGCCACAGGCTTCGGTGTGGCCCTCTGCTGGCGCTCTTCGGCCGTGCCTCTGAGGACCTCT  
 GCTGAACCTGGTGTCCCCACTGGGCTGTGAGGTGGATGTCGAGGAGGGGGACCTGGGGAGGGACTCCAAG  
 AGACGCAGGCTTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC232857 representing NM\_001204872  
 Red=Cloning site Green=Tags(s)

MELHGGNRGGYQPKALEQSGCWLWQAALSTLNPNTDSCPLYLNYATVAALPCRVSRRHNSPSAAHFITRL  
 VRTCLPPGAHRCIVMVCEQPEVFAACALARAFLFTHRSASRRLEKKTVTVEFFLVGQDNGPVEVSTL  
 QCLANATDGVRLAARIVDTPCNEMNTDFLEEINKVGKELGIPTIIRDEELKTRFGGIYGVGKALHP  
 PALAVLSHTPDGATQTIAWVGKIVYDTGGLSIKGTTPMPMKRDCGAAAVLGAFAAIAKQGFKNLHA  
 VFCLAENSVGNATRPDDIHLVSGKTEINNTDAEGRVLADGVSYACKDLGADIILDMATLTGAQGIA  
 TGKYHAAVLTNSAEWEAACVKAGRKCGDLVHPLVYCPPELHFSEFTSAVADMKNVADRDNSPSSCAGLFI  
 ASHIGFDWPGVWVHLDIAAPVHAGERATGFGVALLLALFGRASEDPLNLVSPLGCEVDVEEGDLGRDSK  
 RRRLV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001204872

**ORF Size:** 1485 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\\_001204872.2](#)

**RefSeq Size:** 2160 bp

**RefSeq ORF:** 1488 bp

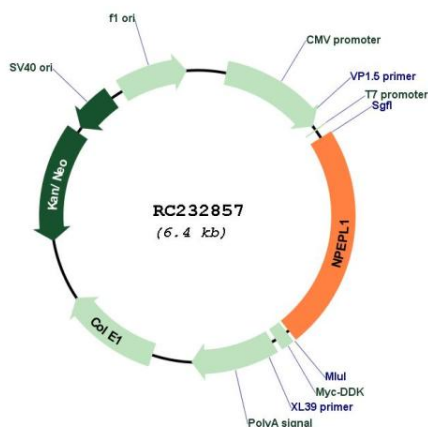
**Locus ID:** 79716

**UniProt ID:** [Q8NDH3](#)

**Cytogenetics:** 20q13.32

**Protein Families:** Druggable Genome, Protease  
**MW:** 53.1 kDa  
**Gene Summary:** Probably catalyzes the removal of unsubstituted N-terminal amino acids from various peptides.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC232857