

Product datasheet for **RG232857**

NPEPL1 (NM_001204872) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPEPL1 (NM_001204872) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NPEPL1
Synonyms:	bA261P9.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG232857 representing NM_001204872
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAACACATGGAGGTAAACAGAGGAGGTACCAACCAAAGGCCCTTGAGCAATCAGGATGTTGGCTCT
 GGCAGGCTGCCCTGAGCAGCTCAACCCCAACCCACGGACAGCTGTCCCCTCTACCTGAACTACGCCAC
 CGTGGCTGCCCTGCCCTGACAGGTGAGCCGGCACAACAGCCCCTCGGCCGCCACTTCATCACGCGGCTG
 GTGCGGACCTGCCTGCCCGCCGAGCGCATCGCTGCATTGTGATGGTCTGCGAGCAGCCGGAGGTCTTTG
 CTTCCGCTGTGCCCTGGCCCGGCCTTCCCGCTGTTACCCACCGCTCAGGTGCCTCTCGGCGCTTGA
 GAAGAAGACGGTCACCGTGGAGTTTTCTGGTGGGACAAGACAACGGGCCGGTGGAGGTGTCCACATTG
 CAGTGCTTAGCGAATGCCACAGACGGCGTGCAGCTAGCAGCCGCATCGTGGACACACCTGCAATGAGA
 TGAACACCGACACCTTCTCGAGGAGATTAACAAAGTTGAAAGGAGCTGGGGATCATCCAACCATCAT
 CCGGGATGAGGAACTGAAGACGAGAGGATTTGGAGGAATCTATGGGGTTGGCAAAGCCGCTGCATCCC
 CCAGCCCTGGCCGCTCCTAGCCACACCCAGATGGAGCCACGCAGACCATCGCCTGGGTGGCAAAGGCA
 TCGTCTATGACTGGAGGCTCAGCATCAAAGGGAAGACTACCATGCCGGGGATGAAGCGAGACTGCGG
 GGTGCTGCGGCCGCTCTGGGGCCCTCAGAGCCGAATCAAGCAGGGTTTCAAAGACAACCTCCACGCT
 GTGTTCTGCTGGCTGAGAACTCGTGGGGCCCAATGCGACAAGGCCAGATGACATCCACCTGCTGTACT
 CAGGGAAGACGGTGGAAATCAACAACACGGATGCCGAGGGCAGGCTGGTGTGCGAGATGGCGTGCCTA
 TGCTTGAAGGACCTGGGGCCGACATCATCTGGACATGGCCACCCTGACCGGGGCTCAGGGCATTGCC
 ACAGGGAAGTACCACGCCGCGGTGCTCACCAACAGCGCTGAGTGGGAGGCCGCTGTGTGAAGCCGGCA
 GGAAGTGTGGGACCTGGTGCACCCGCTGCTACTGCCCGAGCTGCACTTCAGCGAGTTCACCTCAGC
 TGTGGCGGACATGAAGAAGTCACTGGCGGACCGAGACAACAGCCCAAGCTCCTGTGCTGGCCTCTTCATC
 GCCTCACACATCGGCTTCGACTGGCCCGGAGTCTGGGTCCACCTGGACATTGCTGCACCGGTGCATGCTG
 GTGAGCGAGCCACAGGCTTCGGTGTGGCCCTCCTGCTGGCCTCTTCGGCCGTCCTCTGAGGACCTCT
 GCTGAACCTGGTGTCCCACTGGGCTGTGAGGTGGATGTCGAGGAGGGGGACCTGGGGAGGGACTCCAAG
 AGACGCAGGCTTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG232857 representing NM_001204872
 Red=Cloning site Green=Tags(s)

MELHGGNRGGYQPKALEQSGCWLWQAALSTLNPNTDSCPLYLNYATVAALPCRVSRRHNSPSAAHFITRL
 VRTCLPPGAHRCIVMVCEQPEVFASACALARAFPLFTHRSGASRRLEKKTVTVEFFLVGQDNGPVEVSTL
 QCLANATDGVRLAARIVDTPCNEMNTDTFLEEINKVKELGIPTIIRDEELKTRGFGGIYGVGKAALHP
 PALAVLSHTPDGATQTIAWVGKGIYDYGGLSIKGKTTMPGMRDCGAAAVLGAFAAIAKQGFKNLHA
 VFCLAENSVGNATRPDDIHLIYSKGTVEINNTDAEGRLVLADGVSYACKDLGADIILDMATLTGAQGIA
 TGKYHAAVLTNSAEWEAACVKAGRKCGDLVHPLVYCPPELHFSEFTSAVADMKNVADRDNPSSCAGLFI
 ASHIGFDWPGVWVHLDIAAPVHAGERATGFGVALLLALFGRASEDPLNLVSPGCEVDVEEGLGRDSK
 RRRLV

TRTRPLE - GFP Tag - V

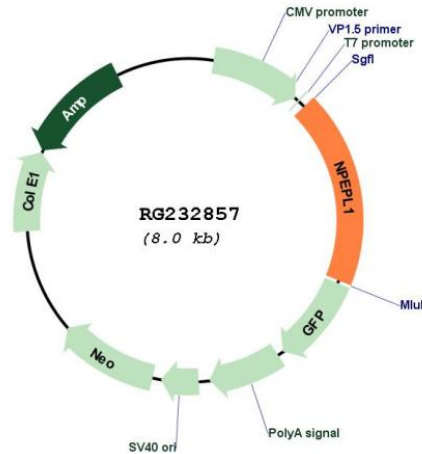
Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


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

Gene Summary: Probably catalyzes the removal of unsubstituted N-terminal amino acids from various peptides.[UniProtKB/Swiss-Prot Function]