

Product datasheet for **RG232813**

NPEPL1 (NM_001204873) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPEPL1 (NM_001204873) 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:

>RG232813 representing NM_001204873
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTCTGGCAGGCTGCCCTGAGCAGCTCAACCCCAACCCACGGACAGCTGTCCCCTCTACCTGA
 ACTACGCCACCGTGGCTGCCCTGCCCTGCAGGGTGCAGCCGGCACAAACAGCCCTCGGCCGCCACTTCAT
 CACGCGGCTGGTGCAGCCTGCCTGCCGCCGGAGCGCATCGCTGCATTGTGATGGTCTGCGAGCAGCCG
 GAGGTCTTTGCTCCGCCTGTGCCCTGGCCCGGCCTTCCCGCTGTTACCCACCCTCAGGTGCCTCTC
 GGCGCTTGGAGAAGAAGACGGTACCCTGGAGTTTTTCTGGTGGGACAAGACAACGGGCCGGTGGAGGT
 GTCCACATTGCAGTGCTTAGCGAATGCCACAGACGGCGTGCAGCTAGCAGCCGCATCGTGGACACACC
 TGCAATGAGATGAACACCGACACCTTCTCGAGGAGATTAACAAAGTTGGAAAGGAGCTGGGGATCATCC
 CAACCATCATCCGGGATGAGGAAGTGAAGACGAGAGGATTTGGAGGAATCTATGGGGTTGGCAAAGCCG
 CCTGCATCCCCAGCCCTGGCCCTCCTAGCCACACCCAGATGGAGCCACGCAGACCATCGCCTGGGTG
 GGCAAAGGCATCGTCTATGACACTGGAGCCCTCAGCATCAAAGGGAAGACTACCATGCCGGGGATGAAGC
 GAGACTGCGGGGGTGTGCGGCCCTCGGGGGCTTCAGAGCCCAATCAAGCAGGGTTTCAAAGACAA
 CCTCCACGCTGTGTTCTGCTTGGCTGAGAACTCGGTGGGGCCCAATGCGACAAGGCCAGATGACATCCAC
 CTGCTGTACTCAGGAAGACGGTGGAAATCAACAACACGGATGCCGAGGGCAGGCTGGTGTGCCAGATG
 GCGTGTCTATGCTTGAAGGACCTGGGGCCGACATCATCTGGACATGGCCACCCTGACCGGGGCTCA
 GGGCATTGCCACAGGAAGTACCACGCCGGTGTCTACCAACAGCGTGTGAGTGGAGGCCCGCTGTGTG
 AAGCGGGCAGGAAGTGGGGACCTGGTGCACCCGCTGGTCTACTGCCCGAGCTGCATTCAGCGAGT
 TCACCTCAGCTGTGGCGGACATGAAGAATCAGTGGCGGACCGAGACAACAGCCAGCTCCTGTGCTGG
 CCTCTTCATCGCCTCACACATCGGCTTCGACTGGCCCGGAGTCTGGGTCCACCTGGACATTGCTGCACCG
 GTGCATGCTGGTGTGAGCGACACAGGCTTCGGTGTGGCCCTCCTGCTGGCGCTTTCGGCCGTGCCTCTG
 AGGACCTCTGCTGAACCTGGTGTCCCCACTGGCTGTGAGGTGGATGTCGAGGAGGGGGACCTGGGGAG
 GGACTCCAAGAGACGCAGGCTTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG232813 representing NM_001204873
 Red=Cloning site Green=Tags(s)

MELWQAALSTLNPNTDSCPLYLNYATVAALPCRVSRHNSPSAAHFITRLVRTCLPPGAHRCIVMVEQP
 EVFASACALARAFPLFTHRSGASRRLEKKTVTVEFFLVGQDNGPVEVSTLQCLANATDGVRLAARIVDTP
 CNEMNTDTFLEEINKVGKELGIPTIIRDEELKTRGFGGIYGVGKAALHPPALAVLSHTPDGATQTIAWV
 GKGIYVDTGGLSIKGTTPGMKRDCGGAAAVLGAFAAIKQGFKNLHAVFCLAENSVGNATRPDDIH
 LLYSGKTVEINNTDAEGRVLADGVSYACKDLGADIILDMATLTGAQGIATGKYHAAVLTNSAEWEAACV
 KAGRKCGDLVHPLVYCPPELHFSEFTSAVADMKNVADRDNSPSSCAGLFIASHIGFDWPGVWVHLDIAAP
 VHAGERATGFGVALLLALFGRASEDPLLNLSPLGCEVDVEEGDLGRDSKRRRLV

TRTRPLE - GFP Tag - V

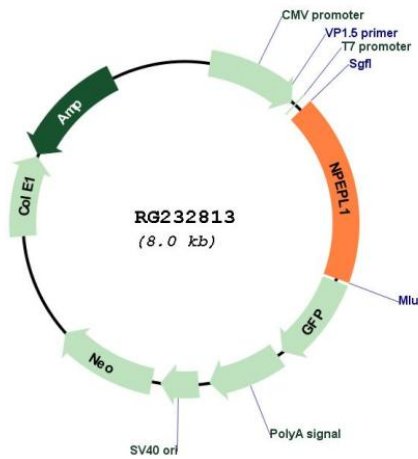
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001204873

ORF Size: 1425 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_001204873.2](#)

RefSeq Size: 2110 bp

RefSeq ORF: 1428 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]