

Product datasheet for **RG203704**

NPEPL1 (NM_024663) Human Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >RG203704 representing NM_024663
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGGC

ATGCGCAACGTGGGGCTGCAGTTCAGGCGAGCGGGGACTCGGACCCACAGACCGGCCCTGCTGC
 TGCTCGGGCAGCTGCACCACCTGCACCGCTGCCCTGGAGCCACGTCCGCGGGAAGCTGCAGCCCCGGGT
 CACCGAGGAGCTCTGGCAGGCTGCCCTGAGCAGCTCAACCCCAACCCACGGACAGCTGTCCCCCTAC
 CTGAATACGCCACCGTGGCTGCCCTGCCCTGCAGGCTGAGCCGGCACAACAGCCCCCTCGGCCGCCACT
 TCATCACCGGGTGGTGGGACCTGCCTGCCGCCGGAGCGCATCGCTGCATTGTGATGGTCTGCGAGCA
 GCCGGAGGTCTTTGCTTCCGCTGTGCCCTGGCCCGGGCCTTCCCGCTGTTACCCACCGCTCAGGTGCC
 TCTCGCGCTTGGAGAAGAAGACGGTCACCGTGGAGTTTTCTGTTGGGACAAGACAACGGGCCGGTGG
 AGGTGTCCACATTGCAGTGCTTAGCGAATGCCACAGACGGCGTGGGCTAGCAGCCCGCATCGTGACAC
 ACCCTGCAATGAGATGAACACCGACACCTTCCTCGAGGAGATTAAACAAAGTTGAAAGGAGCTGGGGATC
 ATCCCAACCATCATCCGGGATGAGGAAGTGAAGACGAGAGGATTTGGAGGAATCTATGGGGTTGGCAAAG
 CCGCCCTGCATCCCCAGCCCTGGCCGTCTCAGCCACACCCAGATGGAGCCACGCAGACCATCGCCTG
 GGTGGGCAAGGCATCGTCTATGACACTGGAGGCTCAGCATCAAGGGAAGACTACCATGCCGGGGATG
 AAGCGAGACTGCGGGGTGCTGCGCCGTCTGGGGCCTTCAGAGCCGCAATCAAGCAGGGTTTCAAAG
 ACAACCTCCACGCTGTGTTCTGCTTGGCTGAGAACTCGGTGGGGCCCAATGCGACAAGGCCAGATGACAT
 CCACCTGCTGTACTCAGGGAAGACGGTGGAAATCAACAACACGGATGCCGAGGCGAGGCTGGTGTGGCA
 GATGGCGTGTCTATGCTTGAAGGACCTGGGGCCGACATCATCTGGACATGGCCACCCTGACCGGGG
 CTCAGGGCATTGCCACAGGGAAGTACCACGCCGGTGTCTACCAACAGCGCTGAGTGGGAGGCCGCTG
 TGTGAAGCGGGCAGGAAGTGTGGGACCTGGTGCACCCGCTGGTCTACTGCCCGAGCTGCACTTCAGC
 GAGTTCACCTCAGCTGTGGCGACATGAAGAACTCAGTGGCGGACCGAGACAACAGCCCCAGCTCCTGTG
 CTGGCCTCTTCATCGCCTCACACATCGGCTTCGACTGGCCCGAGTCTGGGTCCACCTGGACATTGCTGC
 ACCGGTGCATGCTGGTGAAGGACGACAGGCTTCGGTGTGGCCCTCCTGCTGGCGCTCTTCGGCCGTGCC
 TCTGAGGACCTCTGCTGAACCTGGTGTCCCACTGGGCTGTGAGGTGGATGTCGAGGAGGGGACCTGG
 GGAGGGACTCCAAGAGACGCAGGCTTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203704 representing NM_024663
 Red=Cloning site Green=Tags(s)

MANVGLQFQASAGSDPQSRPLLLGLHHLHRVPWSHVRGKLQPRVTEELWQAALSTLNPNTDSCPLY
 LNYATVAALPCRVSRRHNSPSAAHFITRLVRTCLPPGAHRCIVMVCEQPEVFASACALARAFLFTHRSGA
 SRRLEKKTVEFFLVGQDNGPVEVSTLQCLANATDGVRLAARIVDTPCNEMNTDTFLEEINKVGKELGI
 IPTIIRDEELKTRFGGIYGVGKAALHPPALAVLSHTPDGATQTIWVGKIVYDTGGLSIKGGTTMPGM
 KRDCGAAAVLGAFAAIKQGFKNLHAFVCLAENSVGNATRPDDIHLVSGKTVEINNTDAEGRVLVA
 DGVSAYACKDLGADIILDMATLTGAQGIATGKYHAAVLNSAEWEAACVKAGRKCDLVHPLVYCPHELHFS
 EFTSAVADMKNSVADRDNSPSSCAGLFIAISHIGFDWPGVWVHLDAAPVHAGERATGFGVALLLALFGR
 SEDPLLNLSPLGCEVDVEEGLGRDSKRRRLV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024663

ORF Size: 1569 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.

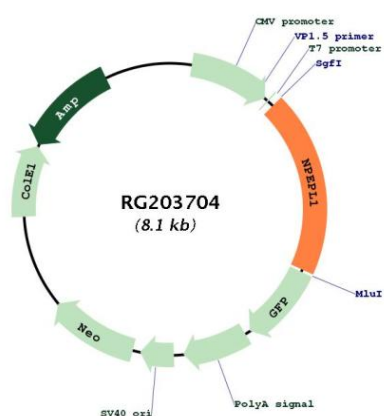
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_024663.4](#)

RefSeq Size: 2217 bp

RefSeq ORF:	1572 bp
Locus ID:	79716
UniProt ID:	Q8NDH3
Cytogenetics:	20q13.32
Domains:	Peptidase_M17
Protein Families:	Druggable Genome, Protease
Gene Summary:	Probably catalyzes the removal of unsubstituted N-terminal amino acids from various peptides.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203704