

Product datasheet for **RG210266**

RNPEPL1 (NM_018226) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNPEPL1 (NM_018226) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNPEPL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG210266 representing NM_018226
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGCCACCCGGAGTGCATACATGGAGGAAGAAGGCGTCTTCCACTCCACATGGAGCACCCCGTGC
 CCGCCTACCTCGTGGCCCTGGTGGCCGGAGACCTCAAGCCGGCAGACATCGGGCCAGGAGCCGCGTGTG
 GGCCGAGCCATGCCTCCTGCCACGGCCACCAGCAAGCTGTCGGGCGCAGTGGAGCAGTGGCTGAGTGCA
 GCTGAGCGGCTGTATGGGCCCTACATGTGGGGCAGGTACGACATTGTCTTCTGCCACCCTCCTTCCCCA
 TCGTGGCCATGGAGAACCCTGCCTCACCTTCATCATCTCCTCCATCCTGGAGAGCGATGAGTTCCTGGT
 CATCGATGTCATCCACGAGGTGGCCACAGTTGGTTTCGGCAACGCTGTCACCAACGCCACGTGGGAAGAG
 ATGTGGCTGAGCGAGGGCCTGGCCACCTATGCCACGCGCCGTATCACCACCGAGACCTACGGTGTGCCT
 TCACCTGCCTGGAGACTGCCTTCCGCCTGGACGCCCTGCACCGGCAGATGAAGCTTCTGGGAGAGGACAG
 CCCGGTCAGAACTGCAGGTCAAGCTGGAGCCAGGAGTGAATCCAGCCACCTGATGAACCTGTTACC
 TACGAGAAGGGCTACTGCTTCGTGTAACCTGTCCCAGCTCTGCGGAGACCCACAGCGCTTTGATGACT
 TTCTCCGAGCCTATGTGGAGAAGTACAAGTTCACCAGCGTGGTGGCCAGGACCTGCTGGACTCCTTCT
 GAGCTTCTCCCGGAGCTGAAGGAGCAGAGCGTGGACTGCCGGGCGAGGGCTGGAATTCGAGCGCTGGCTC
 AATGCCACAGGCCCGCCGCTGGCTGAGCCGGACCTGTCTCAGGGATCCAGCCTGACCCGGCCCGTGGAGG
 CCCTTTTCCAGCTGTGGACCGCAGAACCTCTGGACCAGGCAGCTGCCTCGGCCAGCGCCATTGACATCTC
 CAAGTGGAGGACCTTCCAGACAGCACTTCTCTGGACCGGCTCCTGGATGGGTCCCGCTGCCGACAGGAG
 GTGGTGTGAGCCTGTCCAAGTGTACTCCTCCCTGCTGGACTCGATGAACGCTGAGATCCGCATCCGCT
 GGCTGCAGATTGTGGTCCGCAACGACTACTCCTGACCTCCACAGGGTGGCGGCTTCTGGAGAGCCA
 GATGTCACGCATGTACACCATCCCGCTGTACGAGGACCTCTGCACCGGTGCCCTCAAGTCTTCCGCGCTG
 GAGGTCTTCTACCAGACGACGGCCGGCTGCACCCCAACCTGCGCAGAGCCATCCAGCAGATCCTGTCCC
 AGGGCCTGGGCTCCAGCACAGAGCCCGCTCAGAGCCAGCACGGAGCTGGGCAAGGCTGAAGCAGACAC
 AGACTCGGACGCACAGGCCCTGCTGCTTGGGGACGAGGCCCCAGCAGTCCATCTCTCAGGGACGTC
 AATGTGTCTGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG210266 representing NM_018226
 Red=Cloning site Green=Tags(s)

MSATRSAYMEEGVFHFHMEHPVPAYLVALVAGDLKPADIGPRSRVWAEPCLLPTATSKLSGAVEQWLSA
 AERLYGPMWGRYDIVFLPPSPFIVAMENPCLTFIISSELESDFLVIDVIHEVAHSWFGNAVTNATWEE
 MWLSEGLATYAQRRIITETYGAAFTCLEAFRLDALHRQMKLLGEDSPVSKLQVKLEPGVNPShLMNLFT
 YEKGyCFVYYLSQLCGDPQRFFDFLRAYVEKYKFTSVVAQDLLDSFLSFFPELKEQSVDCRAGLEFERWL
 NATGPPLAEPDLSQSSSLTRPVEALFQLWTAEPDQAAASASAIIDISKWRTFQTALFLDRLLDGSPLPQE
 VVMSLSKCYSSLDSMNAEIRIRWLQIVVRNDYYPDLHRVRRFLESQMSRMYTIPLYEDLCTGALKSFAL
 EVFYQTQGRHPNLRRAIQILSQLGSSSTEPASEPSTELGKAEADTSDAQALLLGDEAPSSAISLRDV
 NVSA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_018226

ORF Size: 1482 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_018226.3](#), [NP_060696.3](#)

RefSeq Size: 2948 bp

RefSeq ORF: 2178 bp

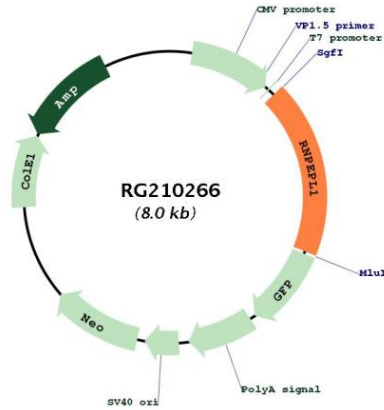
Locus ID: 57140

UniProt ID: [Q9HAU8](#)

Cytogenetics: 2q37.3

Domains: Peptidase_M1
Protein Families: Druggable Genome
Gene Summary: Broad specificity aminopeptidase which preferentially hydrolyzes an N-terminal methionine, citrulline or glutamine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG210266