

Product datasheet for **RC210266**

RNPEPL1 (NM_018226) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNPEPL1 (NM_018226) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNPEPL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC210266 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTGCCACCCGGAGTGCATACATGGAGGAAGAAGGCGTCTTCCACTTCCACATGGAGCACCCCGTGC
 CCGCCTACCTCGTGGCCCTGGTGGCCGGAGACCTCAAGCCGGCAGACATCGGGCCCAGGAGCCGCGTGTG
 GGCCGAGCCATGCCTCCTGCCACGGCCACCAGCAAGCTGTGGGCGCAGTGGAGCAGTGGCTGAGTGCA
 GCTGAGCGGCTGTATGGGCCCTACATGTGGGCGAGGTACGACATTGTCTTCTGCCACCCCTCTTCCCCA
 TCGTGGCCATGGAGAACCCCTGCCTCACCTTCATCATCTCCTCCATCCTGGAGAGCGATGAGTTCCTGGT
 CATCGATGTCATCCACGAGGTGGCCACAGTTGGTTCGGCAACGCTGTACCAACGCCACGTGGGAAGAG
 ATGTGGCTGAGCGAGGGCCTGGCCACCTATGCCAGCGCCGTATCACCACCGAGACCTACGGTGTGCCT
 TCACCTGCCTGGAGACTGCCTTCCGCTGGACGCCCTGCACCGGCAGATGAAGCTTCTGGGAGAGGACAG
 CCCGGTCAGAACTGCAGGTCAAGCTGGAGCCAGGAGTGAATCCAGCCACCTGATGAACCTGTTACCC
 TACGAGAAAGGGCTACTGCTTCGTGTAACCTGTCCCAGCTCTGCGGAGACCCACAGCGCTTTGATGACT
 TTCTCCGAGCCTATGTGGAGAAGTACAAGTTCACCAGCGTGGTGGCCAGGACCTGCTGGACTCCTTCTCT
 GAGCTTCTTCCCGGAGCTGAAGGAGCAGAGCGTGGACTGCCGGGCGAGGCTGGAATTCGAGCGCTGGCTC
 AATGCCACAGGCCCGCCGCTGGCTGAGCCGGACCTGTCTCAGGGATCCAGCCTGACCCGGCCCGTGGAGG
 CCCTTTTCCAGCTGTGGACCGCAGAACCTCTGGACCAGGACGTGCCTCGGCCAGCGCCATTGACATCTC
 CAAGTGGAGGACCTTCCAGACAGCACTCTTCTGGACCGGCTCCTGGATGGGTCCCCGCTGCCGACAGGAG
 GTGGTGATGAGCCTGTCCAAGTGCTACTCTCCTGCTGGACTCGATGAACGCTGAGATCCGCATCCGCT
 GGCTGCAGATTGTGGTCCGCAACGACTACTATCCTGACCTCCACAGGGTGGCGGCTTCTTGGAGAGCCA
 GATGTACGCATGTACACCATCCGCTGTACGAGGACCTCTGCACCGGTGCCCTCAAGTCTTCCGCGCTG
 GAGGTCTTCTACCAGACGAGGCGCGCTGCACCCCAACCTGCGCAGAGCCATCCAGCAGATCCTGTCCC
 AGGGCCTGGGCTCCAGCACAGAGCCCGCTCAGAGCCAGCACGGAGCTGGGCAAGGCTGAAGCAGACAC
 AGACTCGGACGCACAGGCCCTGCTGCTTGGGGACGAGGCCCCAGCAGTGCCATCTCTCAGGGACGTC
 AATGTGCTCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210266 protein sequence
 Red=Cloning site Green=Tags(s)

MSATRSAYMEEGVFHFHMEHPVPAYLVALVAGDLKPADIGPRSRVWAEPCLLPTATSKLSGAVEQWLSA
 AERLYGPMWGRYDIVLPPSFPIVAMENPCLTFIISSILESDEFLVIDVIHEVAHSWFGNAVNTATWEE
 MWLSEGLATYAQRRIITTETYGAAFTCLEAFRLDALHRQMKLLGEDSPVSKLQVKLEPGVNPShLMNLF
 YEKGYCFVYYLSQLCGDPQRFDDFLRAYVEKYKFTSVVAQDLLDSFLSFFPELKEQSVDCRAGLEFERWL
 NATGPPLAEPDLSQGSSSLTRPVEALFQLWTAEPDQAAAASASIDISKWRTFQTALFLDRLLDGSPLPQE
 VVMSLSKCYSSLLDSMNAEIRIRWLQIVVRNDYYPDLHRVRRFLESQMSRMYTIPLYEDLCTGALKSFAL
 EVFYQTQGRHLHPNLRRAIQILSQGLGSSTEPASEPSTELGKAEDTSDAQALLLGDEAPSSAISLRDV
 NVSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6554_e12.zip

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.

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

RefSeq: [NM_018226.3](#), [NP_060696.3](#)

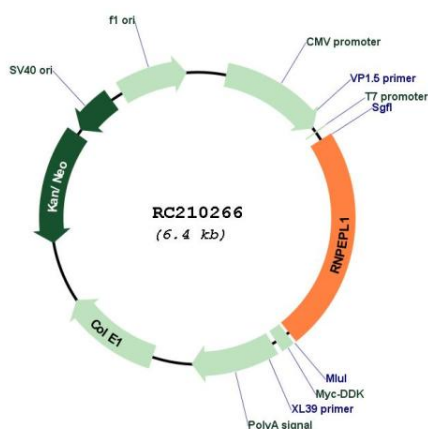
RefSeq Size: 3048 bp

RefSeq ORF: 2178 bp

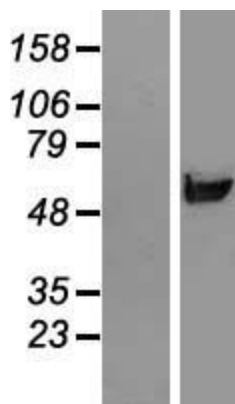
Locus ID: 57140

UniProt ID:	<u>Q9HAU8</u>
Cytogenetics:	2q37.3
Domains:	Peptidase_M1
Protein Families:	Druggable Genome
MW:	55.5 kDa
Gene Summary:	Broad specificity aminopeptidase which preferentially hydrolyzes an N-terminal methionine, citrulline or glutamine.[UniProtKB/Swiss-Prot Function]

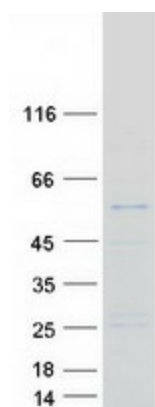
Product images:



Circular map for RC210266



Western blot validation of overexpression lysate (Cat# [LY413206]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210266 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RNPEPL1 protein (Cat# [TP310266]). The protein was produced from HEK293T cells transfected with RNPEPL1 cDNA clone (Cat# RC210266) using MegaTran 2.0 (Cat# [TT210002]).