

Product datasheet for **RR200942**

Npepl1 (NM_001107806) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npepl1 (NM_001107806) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Npepl1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200942 representing NM_001107806 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCTGCGAGCAGCCTGAGGTTTTGCCTCTGCTGTGCCCTGGCAAGGGCCTTCCACTCTTCACAC
ACCGCTCAGGGGCATCCAGGCGTACAGAAAAGAGGACGGTCATGGTGGAGTTCTTCTGGTGGGACAAGA
CAATGGCCCCGTGGAAGTGTCCACCTTGAATGTTTAAACCAATGCCACGGAAGGGCTCCGGCTAGCCGCA
CGCATTGTGGACAGCCATGCAGTGAGATGAACACAGACATCTTCTTGAGGAGATTAGCCAAGTTGGAA
GGGAGCTGGGGATCACCCACCACATCATCCGTGATGAACAGCTAAAGACCAAAGGATTCCGAGGAATCTA
CGGGGTTGGCAAAGCTGCCCTCCACCCACTGCGCTGGCCGCTCCTCAGCCACACCCTGATGGGGCCACG
CAGACCATTGCCTGGGTGGCAAGGGCATTGTCTATGACACTGGTGGCCTCAGCATCAAAGGGAAGACCA
CCATGCCAGGGATGAAGCGGGACTGTGGGGTGTGCAGCCATCCTGGGAGCCTCAGAGCCGCCATCAA
GCAGGGTTTCAAAGATAACCTGCACGCTGTGTTCTGCTGGCTGAGAATGCAGTGGGACCCAATGCCACT
AGGCCGGATGACATTCACCTTTTGTATTAGGAAAGACGGTAGAGATCAACAACACGGACGCTGAGGGCA
GGCTGGTGTGGCAGACGGGGTGTCTTATGCTTGCAAAGACCTGGGTGCTGACATCATTGTGGACATGGC
CACCTGACAGGGGCACAGGGCATTGCCACAGGAAATACCATGCAGCCGTGCTACCAACAGCGCCGAG
TGGGAGGCGGCCCTGTGTGAAGGCTGGGCAGAAAGTGCAGGGACCTGGTCCACCCGCTGGTCTACTGCCCTG
AGCTGCACTTCAGCGAGTTCACCTCAGCTGTGGCTGACATGAAGAACTCAGTGGCGGACCGAGACAACAG
CCCCAGCTCCTGTGCCGGCCTTTCATCGCCTCACACATTGGATTTGACTGGCCTGGAGTCTGGGTCCAC
CTGGACATTGCCGCCAGTGCATGCTGGTGAGCGAGCCACAGGCTTCGGGGTGGCTCTCCTCTGGCCC
TATTTGGCCGTGCCTCCGAGGACCCGCTGCTGAACCTGGTGTCCCGTTGGACTGTGAGGTGGATGCCCA
GGAAGACGACAGCGTGGGGCGTGACTCCAAGAGACGGAGGCTCGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200942 representing NM_001107806
 Red=Cloning site Green=Tags(s)

MVCEQPEVFASACALARAFPLFTHRSGASRRTEKRTVMVEFFLVGQDNGPVEVSTLQCLTNATEGVRLAA
 RIVDTPCSEMNTDIFLEEISQVGRELGITPTIIRDEQLKTKGFGGIYGVGKAALHPPALAVLSHTPDGAT
 QTIAWVGKGIYVDTGGLSIKGGTTMPGMKRDCGGAAAILGAFRAAIKQGFKDNLHAVFCLAENAVGPNAT
 RPDDIHLLYSKGTVEINNTDAEGRLVLADGVSYACKDLGADIIVDMATLTGAQGIATGKYHA AVL TNSAE
 WEAACVKAGQKCGDLVHPLVYCPPELHFSEFTSAVADMKNSVADRDNSPSSCAGLFIASHIGFDWPGVWVH
 LDIAAPVHAGERATGFGVALLLALFGRASEDPLLNLSPLDCEVDAQEDDSVGRDSKRRRLV

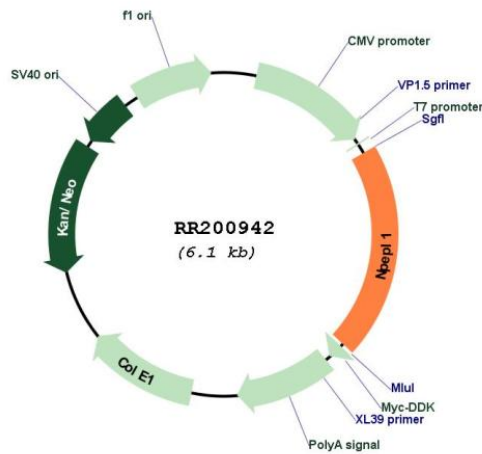
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107806

ORF Size:	1236 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:	<ol style="list-style-type: none">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_001107806.1 , NP_001101276.1
RefSeq Size:	1882 bp
RefSeq ORF:	1239 bp
Locus ID:	311671
Cytogenetics:	3q43
MW:	43.7 kDa