

Product datasheet for **MR208393**

Npepl1 (NM_213733) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npepl1 (NM_213733) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Npepl1
Synonyms:	BC023239; C85514; mKIAA1974
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208393 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGAGCGTGGGGCTGCAGTTCAGGCCAGCGCCGGGACCGGACCCCCAGAGCCGGCCCTGTCTGC
 TGTTGGGCCAGCTGCAACACCTGCACCGCTGCCCTGGAGCCACGTCCGCGGGAAGCTGCAGCCCGGGT
 CACCGAGGAGCTCTGGCAGGCAGCTCTGGCCACGCTCAACCCCAACCCACAGACAGCTGTCTCTCTAC
 CTGAACTGCGCCACAGTGGCAGCTCTGCCTTCTAGGGTGAAGCCGACATAACAGCCCGTCCGAGCCCACT
 TCATCACCAGGCTCGTGAGAACCTGCCTGCCTCTGGAACCCACCGGTGTATCCTGATGGTCTGCGAACA
 GACTGAGGTTTTTGCCTCTGCCTGTGCCTTGGCACGGCCTTCCCACTCTTACACACCGCTCAGGGGCA
 TCCCGCGCGCAGAGAAGAGGACAGTATGGTGGAGTTCTTCTGGTGGGACAAGACAATGGCCAGTGG
 AAGTGCCACCTTGAATGTTTAAACAATGCTACAGAAGGTGTCGACTAGCAGCTCGCATTGTGGACAC
 GCCGTGAATGAGATGAACACAGACATCTTCTTGAGGAGATTATCCAAGTTGAAAGGAGCTGGGTATC
 ACCCCACCATCATCCGCGATGAGCAGCTAAAGACCAAAGGATTTGGAGGAATCTATGGGTTGGCAAAG
 CTGCCCTCCATCCACCCGCTCTGGCCATCCTTAGCCACACCCCTGATGGGGCCACACAGACCATTGCCTG
 GGTGGGCAAGGGCATCGTCTATGACACCGCGGTCTCAGCATCAAAGGAAAGACCACTATGCCAGGGATG
 AAGCGAGACTGTGGGGTGCAGCAGCCCTCTGGGAGCCTCAGAGCCGCATCAAGCAGGGTTTCAAAG
 ATAACCTCCATGCTGTGTCTGCTTGGCCGAGAATGCAGTTGGACCAACGCCACCAGGCCGGATGACAT
 TCACCTGCTGACTCGGGGAAGACCGTAGAGATCAACAACACGGATGCTGAGGGCAGGCTGGTGTGGCA
 GACGGGGTGTCTTACGCTTCAAAGACCTGGGGGCTGACATCATCGTGGACATGGCCACCCTGACAGGGG
 CACAAGGCATTGCCACAGGGAAGTACCATGCAGCCGTGCTCACCAACAGCCCGAGTGGGAGGCCGCTC
 CGTGAAGGCTGGCCGGAAGTGCAGGGACCTGGTCCACCCGCTAGTCTACTGCCCTGAGCTGCACTTCAGC
 GAATTCACCTCGGCTGTGGCTGACATGAAGAACTCCGTGGCGGACCGAGACAACAGCCCAAGCTCTGTG
 CTGGCCTCTTATTGCTTACACATCGGGTTTACTGGCCGGGGTCTGGGTCCACCTGGACATCGCTGC
 TCCAGTGCATGCTGGCGAGCGAGCCACAGGCTTTGGGGTGGCTCTCTACTGGCTCTTTTGGCCGTGCC
 TCCGAGGACCCGCTGCTGAACCTGGTATCCCCGCTGGACTGTGAGGTGGATGCCAGGAAGGCGACAACA
 TGGGGCGTGACTCCAAGAGACGGAGGCTCGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208393 protein sequence
 Red=Cloning site Green=Tags(s)

MASVGLQFQASAGDADPQSRPLLLGQLQHLHRVPWSHVRGKLQPRVTEELWQAALATLNPNTDSCPLY
 LNCATVAALPSRVSRHNSPSAAHFITRLVRTCLPPGTHRCILMVCEQTEVFASACALARAFPLFTHRSGA
 SRRAEKRTVMVEFFLVGQDNGPVEVSTLQCLTNATEGVRLAARIVDTPCNEMNTDIFLEEIIQVGKELGI
 TPTIIRDEQLKTKGFGGIYGVGKAALHPPALAILSHTPDGATQTIAWVGKIVYDTGGLSIKKTTPGM
 KRDCGAAAVLGAFFRAAIKQGFKNLHAFVCLAENAVGPNATRPDDIHLLYSGKTVEINNTDAEGRVLVA
 DGVSACKDLGADIIVDMATLTGAQGIATGKYHAAVL TNSAEWEAACVKAGRKCGDLVHPLVYCPHELHFS
 EFTSAVADMKNSVARDNSPSSCAGLFIASHIGFDWPGVWVHLDIAAPVHAGERATGFGVALLLALFGRA
 SEDPLLNLVSPLDCEVDAQEGDNMGRDSKRRRLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_213733

ORF Size: 1575 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_213733.1](#), [NP_998898.1](#)

RefSeq Size: 2110 bp

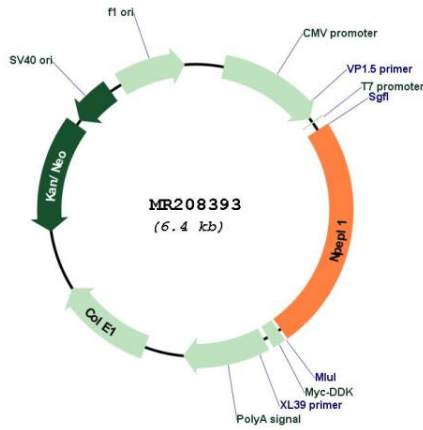
RefSeq ORF: 1575 bp

Locus ID: 228961

UniProt ID: [Q6NSR8](#)

Cytogenetics: 2 H4
MW: 55.9 kDa
Gene Summary: Probably catalyzes the removal of unsubstituted N-terminal amino acids from various peptides.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208393