

Product datasheet for **RC233201**

PEPP2 (PLEKHA5) (NM_001256787) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEPP2 (PLEKHA5) (NM_001256787) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PEPP2
Synonyms:	PEPP-2; PEPP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233201 representing NM_001256787 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGACATCTGAAGAAAAGAAGGAACGGCCAATAAGTATGATAAATGAAGCTTCTAACTATAACGTGACTT
CAGATTATGCAGTGCATCCAATGAGCCCTGTAGGCAGAACTTCACGAGCTTCAAAAAAGTTCATAATTT
TGGAAAGAGGTCAAATTCATTTAAAGGAATCCTAATGCACCGGTTGTCAGACGAGGTTGGCTTTATAAA
CAGGACAGTACTGGCATGAAATGTGGAAGAAACGCTGGTTTGTGCTTTCTGACCTTTGCCTCTTTTATT
ATAGAGATGAGAAAGAAGAGGGTATCCTGGGAAGCATACTGTTACCTAGTTTTTCAGATAGCTTTGCTTAC
CTCTGAAGATCACATTAATCGCAAATATGCTTTTAAGGCAGCCCATCAAACATGCGGACCTATTATTTTC
TGCACTGATACAGGAAAGGAAATGGAGTTGTGGATGAAAGCCATGTTAGATGCTGCCCTAGTACAGACAG
AACCTGTGAAAAGAGTGGACAAGATTACATCTGAAAATGCACCAACTAAAGAAACCAATAACATTCCTCAA
CCATAGAGTGCTAATTAACAGAGATCCAAAACAATCAAAAAACAAGGAAATGAGCAAAATGAAGAA
AAAAAGGCATTAGAAGCTGAAAATATGGATTTTCAAGAGGATGGTCAAGATAGACCCTTAACAAAAATTA
ATAGTGTAAGCTGAATTCCTGCCATCTGAATATGAGAGTGGGTCAGCATGCCCTGCTCAGACTGTGCA
CTACAGACCAATCAACTTGAGCAGTTCAGAGAACAAAATAGTCAATGTTAGCCTGGCAGATCTTAGAGGT
GGAAATCGCCCAATACAGGGCCCTTATACACAGAGGCCGATCGAGTCATACAGAGAACAATTCATATGC
AGCAGTTGGAACAGTGGATTAAATCCAGAAGGGGAGGGGTATGAAGAAGAAACAGGGGAGTAATTTTC
TTACCAACATTACCAAGAAATATGCCAAGTCACAGAGCCAGATTATGGCCCGCTACCTGGAAGGTTAT
AGAACTCCCAAGAAACAGCAAGACAAGGCTGAAAGTATCTGCAGTGAACCCCTTCCACTCATGACA
AGACATTAGGACCCGGAGCGGAGGAGAAACGGAGGTCCATGAGAGATGACACAATGTGGCAGCTCTACGA
ATGGCAGCAGCGTCAGTTTTATAACAAACAGAGCACCTCCCTCGACACAGTACTTTGAGTAGTCCCAAA
ACCATGGTAAATATTTCTGACCAGACAATGCACTCTATTCACACATCACCTTCCACGGGTCAATAGCTG
CTTATCAGGGTACTCCCTCAACGAATTACAGATCGGAAGTGTCTTACCAATTCAGAGAGGAGATGT
GACAATAGACCGCAGACAGGGCCCATACCCTAAGCATGTCTATGTGCTGACAGAAGGTCAGTGCCA



[View online »](#)

GCTGGCCTGACTTTACAGTCTGTTAGTCCCCAGAGCCTCCAAGGGAAAACGATGAAAGAAAATGAACCTA
TTATCACCATGGTTCACACAATGATTGAGAACTCGGCGCTAAGACCCCACTGTACCAGCAACTGTCACA
AGATGAAGGTAGAGGCACATTATACAAATACAGACCTGAAGAAGTAGATATTGATGCCAAGTTAAGCCGA
TTATGTGAACAAGATAAAGTGGTGCATGCTCTGGAAGAGAAAATTCAGCAACTCCACAAGGAGAAATACA
CGCTTGAGCAAGCTTTGCTATCAGCCAGCCAAGAGATAGAAATGCATGCAGATAACCCAGCAGCCATTCA
GACAGTGGTGTACAAAGGGATGATTTACAAAATGGACTGCTTAGTACGTGTCGAGAAGTTCTCTGAGCC
ACTGCCGAATTGGAACGAGCATGGAGAGAATATGATAAGTTAGAATACGATGTAAGTGTACCAGGAACC
AGATGCAAGAGCAGCTGGATCACCTTGGTGAAGTTCAGACGGAATCAGCAGGAATTACGCGTGCACAGAT
TCAGAAAGAACTTTGGCGAATTCAGGATGTCATGGAAGGGCTGAGTAAACATAAGCAGCAAGAGGTACT
ACAGAAATAGGTATGATAGGATCAAAGCCTTTCTCAACAGTTAAGTACAAAAATGAGGAAGAGGAAGTAG
TCCCACCTCGTCTCCACTTCTCGGTCTATGACTTTACAGAGCAGCCTCCCATATCCCCCTCTGCC
CAGTGATAGCAGTCTTGTCTGTTATAGCAGGGGCCAGTTTCATCTGCCTGAAGAAAAGAAGATGAT
CAAGTTCAAGGATATCCAAGAAATGGATCTCACTGTGGTCCAGATTATAGACTCTACAAGAGTGAACCGAG
AGTTAACAAACAGTGGCAGAAGTTGATGAATCTAATGGAGAAGAAAAATCAGAACCTGTTTCAGAGATAGA
AACTTCAGTTGTTAAAGGTTCCCACTTTCTGTTGGAGTAGTCCCTCAAGAGCAAAATCACCAACACCC
GAATCTTCGACAATAGCTTCCTATGTAACCTTGAGGAAAATAAGAAGATGATGGATCTAAGAACCGAAA
GACCAAGAAGTGCAAGTGAACAGCTCTGTTTGGCTGAAAGTACTCGACCAAGGATGACTGTGGAAGAGCA
AATGGAAGAATAAGAAGACATCAACAAGCGTGCCTGAGGGAGAAGAAAAAGGGTTAAATGTTATCGGT
GCTTCAGACCAAGTCAACCTTACAAAGCCCTTCAAATTTAAGGGATAATCCATTTAGGACTACTCAGACTC
GAAGGAGGGATGATAAGGAACGGACACTGCCATTAGAGAAAAATGATGTAAGCCAGACCATGAACTCC
TGCAACAGAAATTGTTCAACTAAAAGAAACCGAACCCCAAAATGTGGACTTCAGCAAGAGTTAAAAAAA
ACTGAAAAACATTCATATGAAATGCTTTTGAACCTGAGCCAAATGGAGTAAATCTGTGGAATGATGG
ATAAAGAAAGAAACAAAGACAAAATGCCTGAGGATGTTACATTCAGCCCTCAAGATGAAACACAGACCGC
AAATCATAAACCAGAAGAGCATCCTGAAGAAAATACAAAGAACAGTGTGACGAACAGGAAGAACTGTT
ATTTCTTACGAATCAACTCCTGAGGTTTCTAGAGGAAATCAACAATGGCAGTGAAGAGTCTGTCCCAT
CTCCTGAGTCTCGGCATCGCCAGTTCATCCACTCAGCCGAGCTCACAGAAGGATCACATTTCTATGTG
TGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

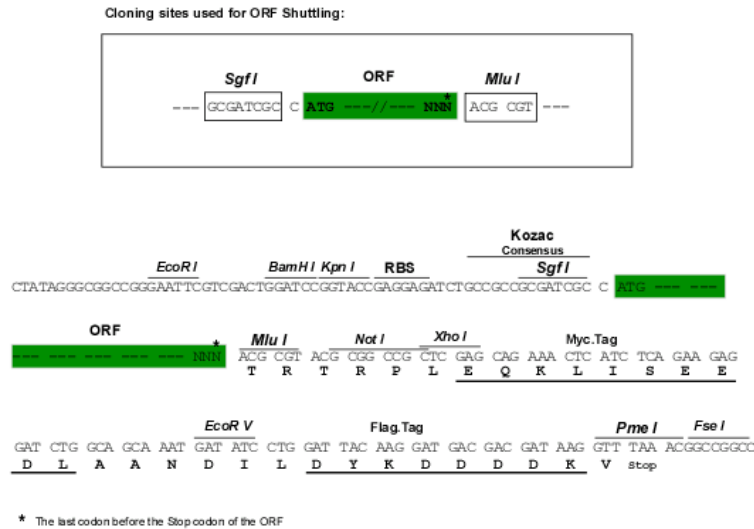
>RC233201 representing NM_001256787
Red=Cloning site Green=Tags(s)

MTSEKKERPISMINASNYNVTSDYAVHPMPSPVGRTSRASKKVHNFGRSNSIKRNPAPVVRGWL YK
QDSTGMKLWKKRWFVLSLCLFYRDEKEEGILGSILLPSFQIALLTSEDHINRKYAFKAAHPNMRTYYF
CTDTGKEMELWMKAMLDALVQTEPVKRVDKITSENAPTKETNNIPNHRVLKPEIQNNQKNKEMSKIEE
KKALEAEKYGFQKDGQDRPLTKINSVKLNSLPSEYESGSACPAQTVHYRPINLSSSENKIVNVSLADLRG
GNRPNTGPLYTEADRVIQRTNSMQQLEQWIKIQKGRGHEEETRGVISYQTLPRNMPSHRAQIMARYPEGY
RTLPRNSKTRPESICSVTPSTHDKTLGPGAEKKRRSMRDDTMWQLYEWQQRQFYNKQSTLPRHSTLSSPK
TMVNISDQTMHSIPTSPSHGSIAYQGYSPQRTYRSEVSSPIQRGDVTIDRRHRAHHPKHVYVPDRRSVP
AGLTLQSVSPQSLQGKTMKENEPITMVHTMIENSALRPQLYQQLSQDEGRGTLKYRPEEVDIDAKLSR
LCEQDKVVHALEKLQQLHKEKYTLEQALLSASQEIEMHADNPAAITVVLQRDDLQNGLLSTCRELSRA
TAELEAWREYDKLEYDVTVTNRNQMQEQLDHLGEVQTESAGIQRAQIQKELWRIQDVMESLKHKKQQRGT
TEIGMIGSKPFSTVKYKNEEEVVPPRPPLPRSYDFTEQPPIIPPLPSDSSSLCYSRGPVHLPEEKKMY
QVQGYPRNGSHCGPDYRLYKSEPELTTVAEVDESNGEEKSEPVSEIETSVVKGSHFPVGVVPPRAKSPTP
ESSTIASYVTLRKTKKMDLRTERPRSAVEQLCLAESTRPRMTVEEQMERIRRHQQAQLREKKKGLNVIG
ASDQSPQLQSPSNLRDNPFRRTTQTRRRDDKELDTAIRENDVKPDHETPATEIVQLKETEPQNVDFSKELKK
TENISYEMLFEPEPNGVNSVEMMDKERNKDKMPEDVTFSPQDETQTANHKPEEHPEENTKNSVDEQEETV
ISYESTPEVSRGNQTMVKSLSPESSASPVSTQPQLTEGSHFMCV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001256787

ORF Size: 3294 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.

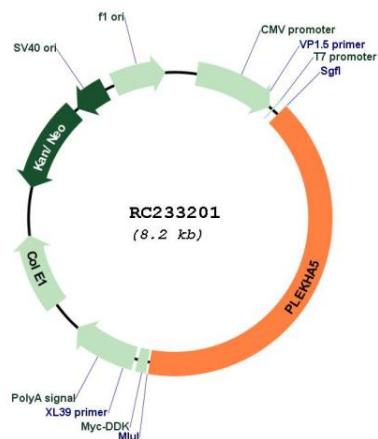
RefSeq: [NM_001256787.1](#), [NP_001243716.1](#)

RefSeq Size: 4410 bp

RefSeq ORF: 3297 bp

Locus ID: 54477
 UniProt ID: [Q9HAU0](#)
 Cytogenetics: 12p12.3
 MW: 126 kDa

Product images:



Circular map for RC233201