

Product datasheet for **RC227084**

PEPP2 (PLEKHA5) (NM_001143821) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RC227084 representing NM_001143821
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACATCTGAAGAAAAGAAGGAACGGCCAATAAGTATGATAAATGAAGCTTCTAACTATAACGTGACTT
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CAGGACGACTGGCATGAAATGTGGAAGAACGCTGGTTGTGCTTTCTGACCTTTGCCTCTTTTATT
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TGCACTGATACAGGAAAGGAATGGAGTTGTGGATGAAAGCCATGTTAGATGCTGCCCTAGTACAGACAG
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TTATCACCATGTTTACACAATGATTGAGAACTCGGCGCTAAGACCCCACTGTACCAGCAATTCTTAAG
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AGAAGGATCACATTTATGTGTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227084 representing NM_001143821
Red=Cloning site Green=Tags(s)

MTSEKKERPI SMINEASNYNVTSDYAVHPMPVGRTSRASKKVHNFGRSINSIKRNPAPVVRGWLK
QDSTGMKLWKKRWFVLSLCLFYRDEKEEGILGSILLPSFQIALLTSEDHINRKYAFKAAHPNMRTYYF
CTDTGKEMELWMKAMLDALVQTEPVKRVDKITSENAPTKETNNIPNHRVL IKPEIQNNQKNKEMSKIEE
KKALEAEKYGFQKDGQDRPLTKINSVKLNSLPSEYESGSACPAQTVHYRPNLSSSENKIVNVSADLRG
GNRPNTGPLYTEADRVIQRTNSMQLEQWIKIQKGRGHEEETRGVTSYQTLPRNMPSHRAQIMARYPEGY
RTLPRNSKTRPESICSVTPSTHDKTLGPGAEKRRSMRDDTMWQLYEWQQRQFYNKQSTLPRHSTLSSPK
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PEEVDIDAKLSRLCEQDKVVHAALEKLQQLHKEYTLEQALLSASQEIEMHADNPAAIQTVVLQRDDLQN
GLLSTCRELSRATAELERAWREYDKLEYDVTVTRNQMQLDHLGEVQTESAGIQRAQIQKELWRIQDVM
EGLSKHKQQRGMIGSKPFSTVKYKNEEEVVP RPPLPRSYDFTEPPIIPPLPSDSSSLCYSRGPVHL
PEEKMYQVQGYPRNGSHCGPDYRLYKSEPELTTVAEVDESNGEEKSEPVEIETSVVKGSHFPVGVVPP
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DEQEETVISYESTPEVSRGNQTMVAKSLSPSPSSASVPSTQPQLTEGSHFMCV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8032_h01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001143821

ORF Size: 3315 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:

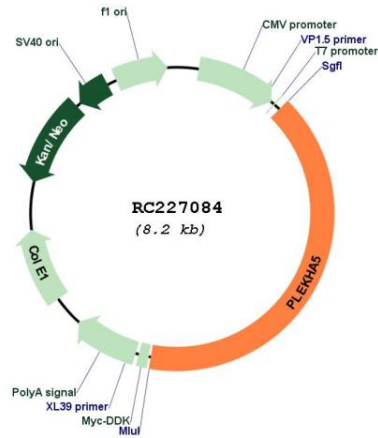
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001143821.1](#), [NP_001137293.1](#)

RefSeq ORF: 3525 bp
 Locus ID: 54477
 UniProt ID: [Q9HAU0](#)
 Cytogenetics: 12p12.3
 MW: 126.3 kDa

Product images:



Circular map for RC227084