

Product datasheet for SC318501

PEPP2 (PLEKHA5) (NM_019012) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEPP2 (PLEKHA5) (NM_019012) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEPP2
Synonyms:	PEPP-2; PEPP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318501 representing NM_019012. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGCGGCGGATCTGAACCTGGAGTGGATCTCCCTGCCCGGTCCTGGACTTACGGGATCACCAGGGGC
 GGCCGAGTCTTCTTCATCAACGAGGAGGCCAAGAGCACCACTGGCTGCACCCCGTCACCGGCGAGGCG
 GTGGTCACCGGACACCGGCGGCAGAGCACAGATTTGCCTACTGGCTGGGAAGAAGCATATACTTTTGAA
 GGTGCAAGATACTATATAAACATAATGAAAGGAAAGTGACCTGCAAACATCCAGTCACAGGACAACCA
 TCACAGGACAATTGTATTTTGTAGTGAATGAACAGACTGTTGCAACCATGACATCTGAAGAAAAGAAG
 GAACGGCCAATAAGTATGATAAATGAAGCTTCTAACTATAACGTGACTTCAGATTATGCAGTGCATCCA
 ATGAGCCCTGTAGGCAGAACTTCACGAGCTTCAAAAAAGTTCAATTTTGAAAGAGGTCAAATTC
 ATTTAAAGGAATCCTAATGCACCGGTTGTGACAGAGGTTGGCTTTATAAACAGGACAGTACTGGCATG
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 GAGGGTATCCTGGGAAGCATACTGTTACCTAGTTTTAGATAGCTTTGCTTACCTCTGAAGATCACATT
 AATCGCAATATGCTTTTAAGGCAGCCCATCAAACATGCGGACCTATTATTTCTGCACTGATACAGGA
 AAGGAAATGGAGTTGTGGATGAAAGCCATGTTAGATGCTGCCCTAGTACAGACAGAACCTGTGAAAAAG
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 GAAGCTGAAAAATATGGATTTTCAAGAGGATGGTCAAGATAGACCTTAAACAAAAATTAATAGTGTAAAG
 CTGAATTCTCTGCCATCTGAATATGAGAGTGGGTGAGCATGCCCTGCTCAGACTGTGCACTACAGACCA
 ATCAACTTGAGCAGTTCAGAGAACAAATAGTCAATGTTAGCCTGGCAGATCTTAGAGGTGGAATCGC
 CCAATACAGGGCCCTTATACAGAGGGCCGATCGAGTCATACAGAGAACAAATTCATGCAGCAGTTG
 GAACAGTGGATTTAAATCCAGAAGGGGAGGGTTCATGAAGAAGAAACAGGGGAGTAATTTCTTACCAA
 ACATTACCAAGAAATATGCCAAGTCACAGAGCCAGATTATGGCCCGCTACCTGAAGGTTATAGAACA
 CTCCCAAGAAACAGCAAGACAAGGCCTGAAAGTATCTGCAGTGTAAACCCCTTCCACTCATGACAAGACA
 TTAGGACCCGGAGCGGAGGAGAAACGAGGTCCATGAGAGATGACACAATGTGGCAGCTCTACGAATGG


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CAGCAGCGTCAGTTTTATAACAAACAGAGCACCCTCCCTCGACACAGTACTTTGAGTAGTCCCAAAACC
 ATGGTAAATATTTCTGACCAGACAATGCACTCTATTCCCACATCACCTTCCCACGGGTCAATAGCTGCT
 TATCAGGGATACTCCCCTCAACGAATTACAGATCGGAAGTGTCTTACCAATTACAGAGAGGAGATGTG
 ACAATAGACCGCAGACACAGGGCCCATCACCCTAAGCATGTCTATGTGCTGACAGAAGGTGAGTGCCA
 GCTGGCCTGACTTTACAGTCTGTTAGTCCCCAGAGCCTCCAAGGGAAAACGCTGTCAAGATGAAGGT
 AGAGGCACATTATACAAATACAGACCTGAAGAAGTAGATATTGATGCCAAGTTAAGCCGATTATGTGAA
 CAAGATAAAGTGGTGCATGCTCTGGAAGAGAACTTCAGCAACTCCACAAGGAGAAATACACGCTTGAG
 CAAGCTTTGCTATCAGCCAGCCAAGAGATAGAAATGCATGCAGATAACCCAGCAGCCATTACAGACAGTG
 GTGTTACAAAGGGATGATTTACAAAATGGACTGCTTAGTACGTGTCGAGAAGTTTCTCGAGCCACTGCC
 GAATTGGAACGAGCATGGAGAGAATATGATAAGTTAGAATACGATGTAAGTGTACCAGGAACCAGATG
 CAAGAGCAGCTGGATCACCTTGGTGAAGTTCAGACGGAATCAGCAGGAATTCAGCGTGCACAGATTACAG
 AAAGAAGTTTGGCGAATTCAGGATGTCTGGAAGGGCTGAGTAAACATAAGCAGCAAGAGGTACTACA
 GAAATAGGTATGATAGGATCAAAGCCTTTCTCAACAGTTAAGTACAAAAATGAGGGTCCAGATTATAGA
 CTCTACAAGAGTGAACAGAGTTAACAACAGTGGCAGAAGTTGATGAATCTAATGGAGAAGAAAAATCA
 GAACCTGTTTCAGAGATAGAAATTCAGTTGTTAAAGGTTCCCACTTTCTGTTGGAGTAGTCCCTCCA
 AGAGCAAAATCACCAACACCCGAATCTTCGACAATAGCTTCTATGTAACCTTGAGGAAAATAGAAAG
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 CCAAGGATGACTGTGGAAGAGCAAAATGGAAGAATAAGAAGACATCAACAAGCGTGCCTGAGGGAGAAG
 AAAAAAGGGTTAAATGTTATCGGTGCTTCAGACCAGTCACCCTTACAAAGCCCTTCAAATTTAAGGGAT
 AATCCATTTAGGACTACTCAGACTCGAAGGAGGGATGATAAGGAAGTGGACACTGCCATTAGAGAAAAAT
 GATGTAAGCCAGACCATGAACTCCTGCAACAGAAATGTTCACTAAAAGAAACCGAACCCCAAAAT
 GTGGACTTCAGCAAAGAGTTAAAAAACTGAAAAATTCATATGAAATGCTTTTGAACCTGAGCCA
 AATGGAGTAAATTTCTGTGAAATGATGGATAAAGAAAGAAACAAAGACAAATGCCTGAGGATGTTACA
 TTCAGCCCTCAAGATGAAACACAGACCGCAAAATCATAAACAGAAAGAGCATCCTGAAGAAAAATACAAG
 AACAGTGTGACGAACAGGAAGAACTGTTATTTCTTACGAATCAACTCTGAGGTTTCTAGAGGAAAT
 CAAACAATGGCAGTGAAGAGTCTGTCCCATCTCCTGAGTCCTCGGCATCGCCAGTTCCATCCACTCAG
 CCGCAGCTCACAGAAGGATCACATTTTCATGTGTGTAG
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI
 ACCN: NM_019012
 Insert Size: 3351 bp
 OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
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:	<u>NM_019012.2</u>
RefSeq Size:	4356 bp
RefSeq ORF:	3351 bp
Locus ID:	54477
UniProt ID:	<u>Q9HAU0</u>
Cytogenetics:	12p12.3
Domains:	WW, PH
MW:	127.5 kDa