

Product datasheet for **MC205119**

Pebp4 (NM_028526) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pebp4 (NM_028526) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pebp4
Synonyms: PEBP-4
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC048621
 ATTCTCTAAGAATTATATAGGTCCTCAATAGCAGTTAACCTTCATCCCATTAGACAAATACTGTGAGGGT
 ACCCCGAAGGGACCCCTGCCAGCTTCAAAACGGATCAAGATTCCCAGGAGAGAACAACGGTAGAGAATC
 TAATGTAAACCTGTTGCCAAGAATATGACAATGAAGCTGGTCGAGCAGCACTTTGCTTGAGCCTCCTT
 GCAGCCGGCCTGTGGGTGGGCCTCTCATTGACAGCTGAGTCCATTGAAGAAGGGAACCTGGAGGAGAGA
 AACCTGGAGGAGGAAACCTGGAGGCAGCGGACGAGGATGTTTTCTCCACCACTGCCAAAAGAAGATGT
 TTCACTATGCAGGAACCTAGAAGTTTTCTACATGGAGATGGGGAACATCAGCTGTAAAATTGTTCCCTAAG
 TGCAATCTATACAGACAGAAGATCACGGCCTGGCAGGCGCCGATAGTCAAGTTCACACGGCTTTGGATG
 TGAGTGAAGTGGTTGGCTGAAGGAGAACGTGGGGCCCTGACTTGCCTTTAGTTCACTTTTCTTGGGAAC
 TTGGAGGGCCAGTTTGCAGGAGTCAGGCAGCTATTGCCTGGAGTGGTGGTCAACCTCCCTAATCCTAAT
 CCTTTATATAGTTCCTCATGTGGTGGTACTCCCAACCATAAAAATACTTTTTGTGCTACTTCAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Sfil-Sfil

ACCN: NM_028526

Insert Size: 366 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).



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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: [BC048621](#), [AAH48621](#)

RefSeq Size: 724 bp

RefSeq ORF: 366 bp

Locus ID: 73523

Cytogenetics: 14 D2

Gene Summary: Promotes AKT phosphorylation, suggesting a possible role in the PI3K-AKT signaling pathway. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks several exons, and its 3' terminal exon extends past a splice site that is used in variant 1. This results in a novel 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (b) has a shorter and distinct C-terminus, compared to isoform a.