

Product datasheet for **RC204790**

PEBP4 (NM_144962) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEBP4 (NM_144962) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PEBP4
Synonyms:	CORK-1; CORK1; GWTM1933; HEL-S-300; hPEBP4; PEBP-4; PRO4408
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204790 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGTTGGACAATGAGGCTGGTTACAGCAGCACTGTTACTGGGTCTCATGATGGTGGTCACTGGAGACG
 AGGATGAGAACAGCCGTGTGCCCATGAGGCCCTCTGGACGAGGACACCCTCTTTGCCAGGGCCTTGA
 AGTTTTCTACCCAGAGTTGGGGAACATTGGCTGCAAGTTGTTCTGATTGTAACAACACAGACAGAAG
 ATCACCTCCTGGATGGAGCCGATAGTCAAGTTCCTGGGGCCGCTGGACGCGCAACCTATATCCTGGTGA
 TGGTGGATCCAGATGCCCTAGCAGAGCAGAACCAGACAGAGATTCTGGAGACATTGGCTGGTAACAGA
 TATCAAGGGCGCCGACCTGAAGGAAGGGAAGATTCAAGGGCCAGGAGTTATCAGCCTACCAGGCTCCCTCC
 CCACCGGCACACAGTGGCTTCCATCGCTACCAAGTTCTTTGTCTATCTTCAGGAAGGAAAAGTCATCTCTC
 TCCTTCCAAGGAAAACAACTCGAGGCTCTTGGAAAATGGACAGATTCTGAACCGCTTCCACCTGGG
 CGAACCTGAAGCAAGCACCCAGTTCATGACCCAGAACTACCAGGACTACCAACCCTCCAGGCTCCAGA
 GGAAGGGCCAGCGAGCCAAGCACAAACCAGGCGGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC204790 protein sequence
 Red=Cloning site Green=Tags(s)

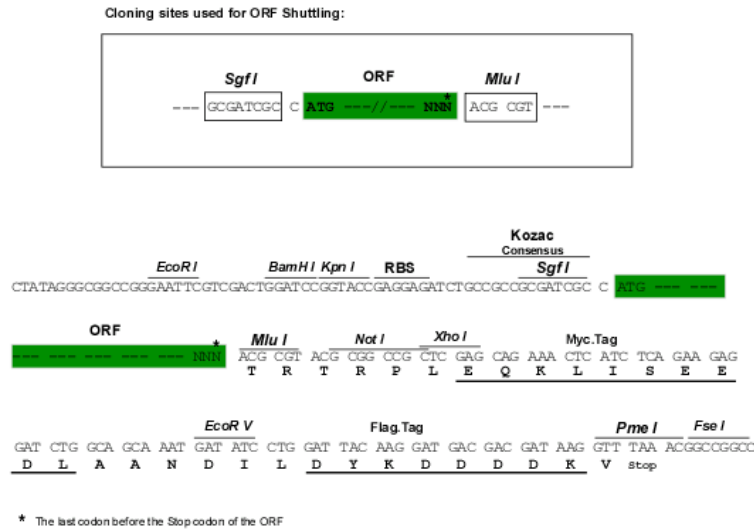
MGWTMRLVTAALLGLMMVVTGDEDENSPCAHEALLDEDTLFCQGLEVFYPELGNIGCKVVPDCNNYRQK
 ITSWMEPIVKFPGAVDGATYILVMVDPDAPSRAPRQRFWRHWLVDIKGADLKEGKIQQQEL SAYQAPS
 PPAHSGFHRYQFFVYLQEGKVISLLPKENKTRGSWKMDRFLNRFHLGEPEASTQFMTQNYQDSPTLQAPR
 GRASEPKHKTRRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6288_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144962

ORF Size: 669 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_144962.1](#), [NP_659399.1](#)

RefSeq Size: 901 bp

RefSeq ORF: 684 bp

Locus ID: 157310

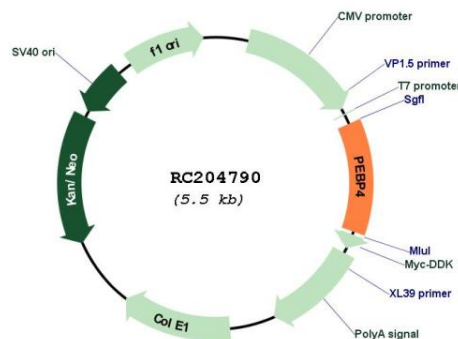
UniProt ID: [Q96S96](#)

Cytogenetics: 8p21.3

MW: 25.4 kDa

Gene Summary: The phosphatidylethanolamine (PE)-binding proteins, including PEBP4, are an evolutionarily conserved family of proteins with pivotal biologic functions, such as lipid binding and inhibition of serine proteases (Wang et al., 2004 [PubMed 15302887]).[supplied by OMIM, Dec 2008]

Product images:



Circular map for RC204790