

Product datasheet for **MG206337**

Pcbp4 (BC010694) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcbp4 (BC010694) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pcbp4
Synonyms:	1200003L19Rik; AlphaCP-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206337 representing BC010694 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGTTCAGATGCGGGCTGGAGGAGGGGCCGAGCTTAGTATCACCCCTACCCTGCGGATGCTGA
TGCACGGGAAGGAAGTGGCAGCATCATTGGGAAGAAGGGAGAGACTGTAAGCGAATCCGGGAACAGAG
CAGTGCCCGGATCACCATCTCGGAGGGCTCTGCCCGAGCGAATCACACCATCACAGGCTCTACGGCT
GCCGTCTCCACGCGGTCCATGATTGCCTTCAAGCTGGATGAGGACCTTTGTGCTGCTCTGCAATG
GTGGCAGTGTCTCCAGACCTCCAGTGACCTTGCCTTGTTCATCCCTGCCAGCCAGTGTGGATCACTGAT
TGGGAAGGCAGGCACAAAATCAAGGAGATCCGAGAGACTACAGGAGCCAGGTGCAGGTGGCAGGGGAC
CTGCTCCCAAATTCACAGAGCGTGTGTCACTGTGTCCGGGGTGCCTGACGCCATCATCTGTGTGTGC
GCCAGATCTGTGCTGTTATTCTGGAGTCCCCACCAAAGGAGCCACAATCCCGTATCATCCGAGCCTCTC
CCTAGGTAAGTGTCTCTCGGCCAACCGGTTTCTCTGTCCAGGGTCAAGTATGGAGCAGTGACCCCT
GCAGAGGTACCAAGCTCCAGCAGCTCTCAGGCCACGCCGTTCCCTTTCATCACCCAGTGTGGTGGCAG
GACTGGATCCCAGCACACAGACCAGCTCACAGGAGTTTCTGGTCCCAATGATCTGATTGGCTGTGTGAT
CGGACGCCAGGGCAGCAAGATCAGCGAGATCCGCAGATGTGGGGGCACATATTAAGATCGGGAACCAA
CGGAGGGTGTGGGAGCGGCATGTGACCATCACTGGCTCACCGGTCTCCATCGCCCTGGCTCAGTACC
TCATCACTGCCTGTCTAGAGACGGCCAAGTCTACCTCTGGGGGACGCCCTGGCTCAGCCCCGAGACCT
GCCACCCCTTTCTCGCCACCCCTGACGGCCCTGCCACAGCTCCCCAGGCCTGCTGGGCACACCTTAT
GCCATCTCCCTCTCCAATTCATCGGCCTCAAGCCTGTGCCCTTCTGGCTCTACCACCTGCTTCCCCAG
GGCCACCGCCGGCTTGGCGGCTACACTGCCAAGATGGCAGCGGCAATGGGAGCAAGAAAGCTGAACG
GCAGAAATTCTCCCCCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206337 representing BC010694
Red=Cloning site Green=Tags(s)

MSSSDAGLEEGPELSITLTLRMLMHGKEVGSIIIGKKGETVKRIREQSSARITISEGSCPERITTTITGSTA
 AVFHAVSMIAFKLDEDLCAAPANGGSVSRPPVTLRLVIPASQCGSLIGKAGTKIKEIRETTGAQVQVAGD
 LLPNSTERAVTVSGVPDAIILCVRQICAVILESPPKGATIPYHPSLSLGTVLLSANQGFVQGYGAVTP
 AEVTKLQQLSGHAVPFASPSVVPGLDPSTQTSSQEFLVPNDLIGCVIGRQGSKISEIRQMSGAHIKIGNQ
 AEGAGERHVTITGSPVSIALAQYLITACLETAKSTSGGTPGSAPADLPTPFSPPLTALPTAPPGLLGTPY
 AISLSNFIGLKPVFALPPASPGPPPGLAAYTAKMAAANGSKKAERQKFSY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC010694

ORF Size: 1211 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.

RefSeq: [BC010694](#), [AAH10694](#)

RefSeq Size: 1938 bp

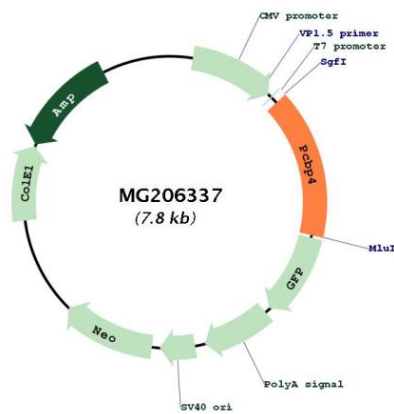
RefSeq ORF: 1211 bp

Locus ID: 59092

Cytogenetics: 9 F1

Gene Summary: Single-stranded nucleic acid binding protein that binds preferentially to oligo dC. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206337