

Product datasheet for RC223685L3

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OriGene Technologies, Inc.

C4BPB (NM_000716) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: C4BPB (NM_000716) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: C4BPB
Synonyms: C4BP

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

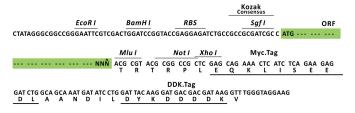
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC223685).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_000716

ORF Size: 968 bp





C4BPB (NM_000716) Human Tagged Lenti ORF Clone - RC223685L3

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: <u>NM 000716.3, NP 000707.1</u>

RefSeq Size:1131 bpRefSeq ORF:759 bpLocus ID:725

 UniProt ID:
 P20851

 Cytogenetics:
 1q32.1

Protein Pathways: Complement and coagulation cascades

MW: 28.29 kDa

Gene Summary: This gene encodes a member of a superfamily of proteins composed predominantly of

tandemly arrayed short consensus repeats of approximately 60 amino acids. A single, unique beta-chain encoded by this gene assembles with seven identical alpha-chains into the predominant isoform of C4b-binding protein, a multimeric protein that controls activation of the complement cascade through the classical pathway. C4b-binding protein has a regulatory role in the coagulation system also, mediated through the beta-chain binding of protein S, a vitamin K-dependent protein that serves as a cofactor of activated protein C. The genes encoding both alpha and beta chains are located adjacent to each other on human

chromosome 1 in the regulator of complement activation gene cluster. Alternative splicing

gives rise to multiple transcript variants. [provided by RefSeq, Jul 2008]