

Product datasheet for MR217142

Bcap29 (NM_007530) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bcap29 (NM_007530) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bcap29
Synonyms:	AW208404; Bap29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217142 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAATCCAATGGGCGCGGTTGCCAGCTTTCTTTATGCTGAAATAGGACTCATTTTACTCTTCTGTC
TGCCCTTTATTCCTCCACAGAGATGGCAGAAGATTTTTTCATTTAGTGTCTGGGTAAGATTGCAAGTTT
TTGGAACAAAGCTTTTCTTACCATTATAACTATTGATCATTCTGTTTCTAGATGCCGTGAGAGAAGTA
AGAAAGTATTCGTCCACGAATGTTGTAGAGAAGAAGTCAAGCCATCAGACCGAGTGCCTTTGAGCACACAC
AGATGAAGCTCTCAGGTCTCAAAGAACTGTATATTTCTGGATTCTCATTATTTTTTTGGCTAGTGTT
GAGACGTCTGTTACGCTTATTACTCAGCTGGCAAAGAAATAGCAAACAAGGAGTGCTTAAAAATCAA
GCAGAAAATACCAATAAGGCTGCCAAGAAATTCATGGAAGAGAATGAAAACTAAAATTGGGGCTAAGAA
ATGACAATGCTGAAGAACACCTTTTGAAGCTGAAAATAAAAACTAATAGAAAGCAAGGAGAACCTGAA
AACCGAGCTGAAGAAGGCTTCCGATGCCCTTTGAAGGCCAAAATGATGTCATGACTATGAAGATTCAG
TCAGAGAGACTTTCTAAAGAGTATGACCGACTCCTGAAAGAACAACCTCAGAACTTCAGAACCGTTTAGAGA
AAGAGAAGAAGAAAGCCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217142 protein sequence
Red=Cloning site Green=Tags(s)

MTIQWAAVASFLYAEIGLILLFCLPFIPPQRWQKIFSFSVWGKIASFWNKAFLLTIIILLIILFLDAVREV
 RKYSSSTNVVEKNSAIRPSAFEHTQMKLFRSQRNLYISGFSLFFWLVLRRLLVTLITQLAKEIANKGVLKIQ
 AENTNKAAKKFMEENEKLLGLRNDNAEEHLLAEENKKLIESKENLKTTELKKASDALLKAQNDVMTMKIQ
 SERLSKEYDRLLKEHSELQNRLEKEKKKGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_007530

ORF Size: 723 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: [NM_007530.3](#), [NP_031556.1](#)

RefSeq Size: 1954 bp

RefSeq ORF: 723 bp

Locus ID: 12033

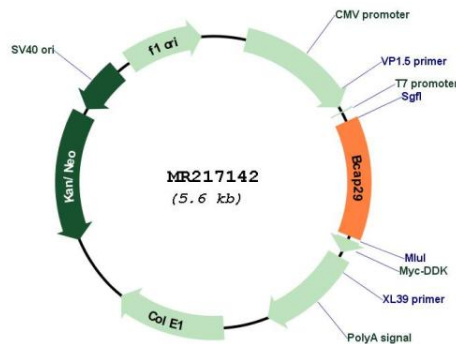
UniProt ID: [Q61334](#)

Cytogenetics: 12 13.63 cM

MW: 28 kDa

Gene Summary: May play a role in anterograde transport of membrane proteins from the endoplasmic reticulum to the Golgi. May be involved in CASP8-mediated apoptosis (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217142