

Product datasheet for **RG214766**

BAP29 (BCAP29) (NM_001008405) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BAP29
Synonyms:	BAP29
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG214766 representing NM_001008405
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGACACTCCAATGGGCTGCAGTGGCAACCTTTCTTTATGCCGAAATAGGACTCATTTTAATCTTCTGCC
TACCTTTTATTCCTCCTCAGAGATGGCAGAAGATTTTTCATTTAATGTCTGGGTAAAAATTGCACTTT
TTGGAACAAGGCTTTCCTTACCATTATCATCTATTGATTGTTCTATTTCTAGATGCTGTGAGAGAAGTA
AGGAAATATTCCTCAGTTCATACCATTTGAGAAGAGCTCCACCAGCAGACCTGATGCCTATGAACACACAC
AGATGAACTTTTATGGTCTCAAAGAAATCTTTACATTTCTGGATTTTCCCTATTTTTTTGGCTAGTTTT
GAGACGTCTGGTTACGCTTATTACTCAACTGGCAAAAGAACTGTCAAACAAAGGTGACTTAAAACTCAA
GCAGAAATACTAACAAGGCTGCCAAAAATTTATGGAAGAAAACGAAAACTAAAAAGGATTTTAAAA
GCCATGGTAAAGATGAAGAATGTGTTTGAAGCAGAAAAATAAAAACTAGTAGAAGACCAGGAGAACT
GAAACTGAATTAAGGAAGACTTCAGATGCCCTTTCTAAGGCACAAAATGATGTGATGGAATGAAGATG
CAGTCAGAGAGACTTTCGAAAGAATATGATCAACTCCTGAAAGAACTCTGAACCTTCAGCATTCAGTT
TTGGTGAATTTTAAAGCAAAAGAGCCACAAAAATGGCAGCATTGGAACAGACTGGTTCTAGAAAAGG
ATCGTTTAGAAAGAGGCAACAAGAAAGACTGTGAACCTTATAAAAGACACTTGCAATATACTGTGTCAA
AATGATAATTTTGTATGTTAGCCTCTAGAAAAATTAAGTTCAGAAAAATGCACTATGACCGGTTCTGTA
TTTTTTAATGCCACACATAGGTTGTATTGTAATGGCATTATCAAAATATTTGATGATGTTTCAGATATA
TTGCAAGTCTGTATTCCAGCTCTTAAGAAAAATAAGCATGTTAAATACCATATTTACATAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



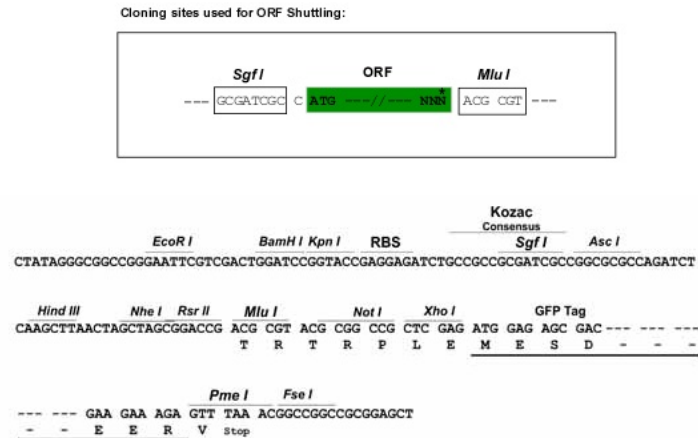
Protein Sequence: >RG214766 representing NM_001008405
Red=Cloning site Green=Tags(s)

MTLQWAAVATFLYAEIGLILIFCLPFIPPQRWQKIFSFNVWGKIATFWNKAFLTIIILLIVFLDAVREV
RKYSSVHTIEKSSTSRPDAYEHTQMKLFRSQRNLYISGFSLFFWLVRRLVTITQLAKELSNKGVLTQ
AENTNKAARKFMEENEKLRILKSHGDEECVLEAENKLLVEDQEKLKTELRTSDALSKAQNDVMEKMM
QSERLSKEYDQLLKEHSELQHSSFGFLSKRSHKNGSIGKQTGSRKGSFRKRQKEKTVNFIKDTCNILCQ
NDNFVMLASRKFKFRKMHYDRFVIFLMPHIGCIVMALSKYLMMFQIYCKVCIPALKKNISMLNTIFTY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001008405

ORF Size: 1044 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_001008405.4](#)

RefSeq Size: 2971 bp

RefSeq ORF: 1047 bp

Locus ID: 55973

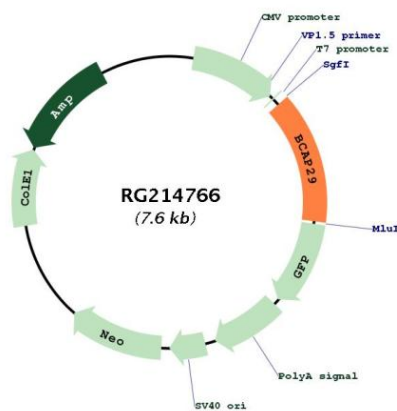
UniProt ID: [Q9UHQ4](#)

Cytogenetics: 7q22.3

Protein Families: Druggable Genome, Transmembrane

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 RG214766