

Product datasheet for **RC201815**

BASP1 (NM_006317) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BASP1 (NM_006317) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BASP1
Synonyms: CAP-23; CAP23; NAP-22; NAP22
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC201815 representing NM_006317
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGGCAAGCTCAGCAAGAAGAAGAAGGGCTACAATGTGAACGACGAGAAAGCCAAGGAGAAAGACA
AGAAGGCCGAGGGCGCGGCACGGAAGAGGAGGGGACCCCGAAGGAGAGTGAGCCCCAGGCGGCCGAGA
GCCCGCCGAGGCCAAGGAGGGCAAGGAGAAGCCCGACCAGGACGCCGAGGCAAGGCCGAGGAGAAGGAG
GGCGAGAAGGACGCGCGGCTGCCAAGGAGGAGCCCGAAGGCGGAGCCCGAGAAGACGGAGGGCGCGG
CAGAGGCCAAGGCTGAGCCCCGAAGGCGCCCGAGCAGGAGCAGGCGGCCCGGCCCGCTGCGGGCGG
CGAGGCCCCAAAGCTGCTGAGGCCGCGCGGCCCGGCCGAGAGCGCGGCCCTGCCCGCGGGGAGGAG
CCCAGCAAGGAGGAAGGGGAACCCAAAAAGACTGAGGCGCCCGCAGCTCCTGCCGCCAGGAGACAAAA
GTGACGGGGCCCCAGCTTCAGACTCAAAACCCGGCAGCTCGGAGGCTGCCCCCTCTTCAAGGAGACCCC
CGCAGCCACGGAAGCGCCTAGTTCCACACCCAAGGCCAGGGCCCGCAGCCTCTGCAGAAGAGCCCAAG
CCGGTGGAGGCCCGGCAGCTAATTCGACCAACCGTAACCGTGAAAGAG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC201815 representing NM_006317
Red=Cloning site Green=Tags(s)

```
MGGKLSKSKKGYNVNDEKAKEKDKKAEGAATEEEGTPKESEPQAAAEPAAKEGKEKPDQDAEGKAEKEE  
GEKDAAAAKEEAPKAEPEKTEGAAEAKAEPKAPQEQAAPGPAGGEAPKAAEAAAAPAESAAPAGEE  
PSKEEGEPKKTEAPAAPAAQETKSDGAPASDSKPGSSAAPSSKETPAATEAPSSTPKAQGPAASAEPEK  
PVEAPAA NSDQT VTK E
```

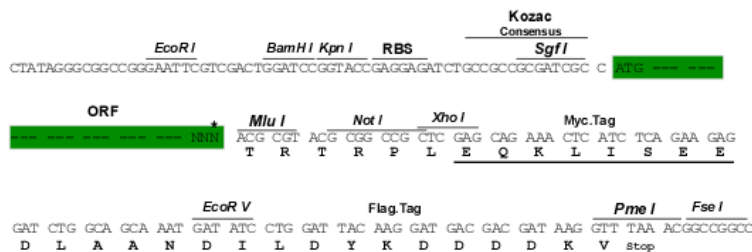
TRTRP LEQKL ISEEDLA ANDILDYK DDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3115_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_006317

ORF Size: 681 bp

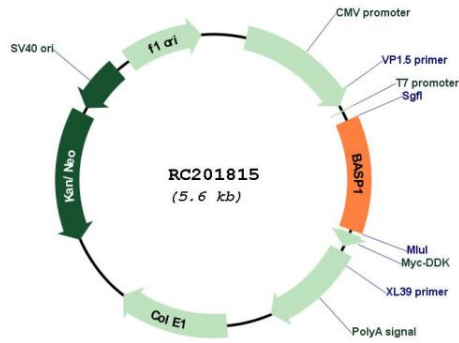
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

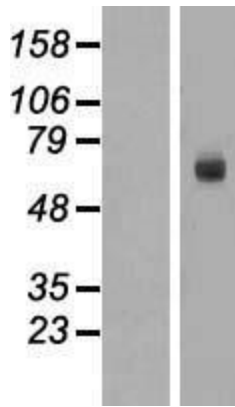
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none">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_006317.5
RefSeq Size:	1820 bp
RefSeq ORF:	684 bp
Locus ID:	10409
UniProt ID:	P80723
Cytogenetics:	5p15.1
MW:	22.5 kDa
Gene Summary:	This gene encodes a membrane bound protein with several transient phosphorylation sites and PEST motifs. Conservation of proteins with PEST sequences among different species supports their functional significance. PEST sequences typically occur in proteins with high turnover rates. Immunological characteristics of this protein are species specific. This protein also undergoes N-terminal myristoylation. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Oct 2012]

Product images:



Circular map for RC201815



Western blot validation of overexpression lysate (Cat# [LY416732]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201815 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).