OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC233486

BASP1 (NM_001271606) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BASP1 (NM_001271606) 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:

>RC233486 representing NM_001271606
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAGGCAAGCTCAGCAAGAAGAAGAAGGGCTACAATGTGAACGACGAGAAAGCCAAGGAGAAAGACA
AGAAGGCCGAGGGCGCGGCGACGGAAGAGGAGGGGACCCCGAAGGAGAGTGAGCCCCAGGCGGCCGCAGA
GCCCGCCGAGGCCAAGGAGGGCAAGGAGAAGCCCGACCAGGACGCCGAGGGCAAGGCCGAGGAGAAGGAG
GGCGAGAAGGACGCGGCGGCTGCCAAGGAGGAGGCCCCGAAGGCGGAGCCCGAGAAGACGGAGGGCGCGG
CAGAGGCCAAGGCTGAGCCCCCGAAGGCGCCCGAGCAGGAGCAGGCGGCCCCCGGCCCCGCTGCGGGCGG
CGAGGCCCCCAAAGCTGCTGAGGCCGCCGCGGCCCCGGCCGAGAGCGCGGCCCCTGCCGCCGGGGAGGAG
CCCAGCAAGGAGGAAGGGGAACCCAAAAAGACTGAGGCGCCCGCAGCTCCTGCCGCCCAGGAGACCAAAA
GTGACGGGGCCCCAGCTTCAGACTCAAAACCCGGCAGCTCGGAGGCTGCCCCCTCTTCCAAGGAGACCCC
CGCAGCCACGGAAGCGCCTAGTTCCACACCCAAGGCCCAGGGCCCCGCAGCCTCTGCAGAAGAGCCCAAG
CCGGTGGAGGCCCCGGCAGCTAATTCCGACCAAACCGTAACCGTGAAAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC233486 representing NM_001271606
Red=Cloning site Green=Tags(s)

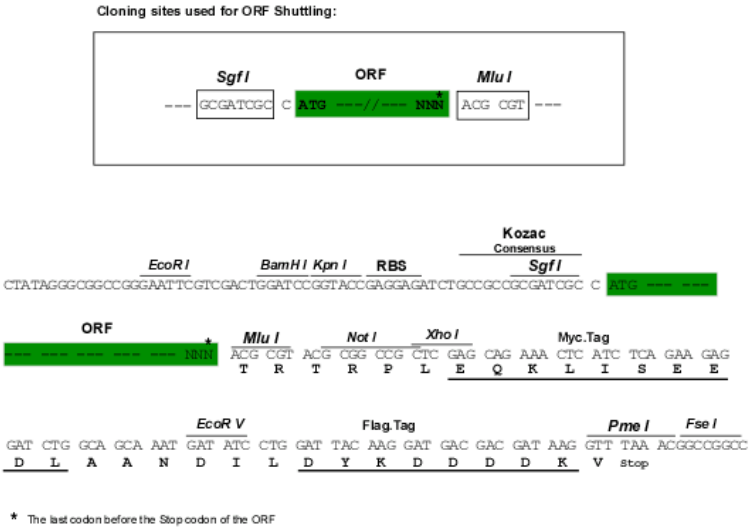
MGGKLSKKKKGYNVNDEKAKEKDKKAEGAATEEEGTPKESEPQAAAEPAEAKEGKEKPDQDAEGKAEEKE
GEKDAAAAKEEAPKAEPEKTEGAAEAKAEPPKAPEQEQAAPGPAAGGEAPKAAEAAAAPAESAAPAAGEE
PSKEEGEPKKTEAPAAPAAQETKSDGAPASDSKPGSSEAAPSSKETPAATEAPSSTPKAQGPAASAEEPK
PVEAPAANSDQTVTVKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271606

ORF Size: 681 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_001271606.1, NP_001258535.1

RefSeq Size: 1727 bp

RefSeq ORF: 684 bp

Locus ID: 10409

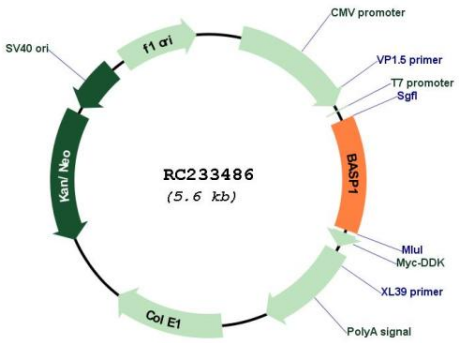
UniProt ID: P80723

Cytogenetics: 5p15.1

MW: 22.7 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 RC233486