

Product datasheet for **RG233486**

BASP1 (NM_001271606) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BASP1 (NM_001271606) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: BASP1
Synonyms: CAP-23; CAP23; NAP-22; NAP22
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233486 representing NM_001271606
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAGGCAAGCTCAGCAAGAAGAAGAAGGGCTACAATGTGAACGACGAGAAAGCCAAGGAGAAAGACA
 AGAAGGCCGAGGGCGCGGCAGCGAAGAGGAGGGGACCCCGAAGGAGAGTGAGCCCCAGGGCGCCGAGAG
 GCCCGCCGAGGCCAAGGAGGGCAAGGAGAAGCCCGACAGGACGCCGAGGGCAAGGCCGAGGAGAAGGAG
 GGCGAGAAGGACGCGCGGCTGCCAAGGAGGAGCCCGAAGGGCGAGCCCGAGAAGACGGAGGGCGCGG
 CAGAGGCCAAGGCTGAGCCCCGAAGGGCGCCGAGCAGGAGCAGGCGGCCCGGCCCGCTGCGGGCGG
 CGAGGCCCCAAAGCTGCTGAGGCCGCGCGGCCCGGCCGAGAGCGCGGCCCTGCCCGCCGGGAGGAG
 CCCAGCAAGGAGGAAGGGGAACCCAAAAAGACTGAGGCGCCCGCAGCTCCTGCCGCCAGGAGACCAAAA
 GTGACGGGGCCCCAGCTTCAGACTCAAAACCCGGCAGCTCGGAGGCTGCCCCCTCTTCCAAGGAGACCC
 CGCAGCCACGGAAGCGCCTAGTTCCACACCCAAGGCCAGGGCCCGCAGCCTCTGCAGAAGAGCCCAAG
 CCGGTGGAGGCCCGGCAGCTAATTCGACCAACCGTAACCGTGAAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233486 representing NM_001271606
Red=Cloning site Green=Tags(s)

MGGKLSKSKKKKGYNVNDEKAKEKDKKAEGAATEEEGTPKESEPQAAAEPAAKEGKEKPDQDAEGKAEKEE
 GEKDAAAEEAPKAEPEKTEGAAEAKAEPKAPQEQAAAPGPAAGGEAPKAAEAAAAPAESAAPAGEE
 PSKEEGEPKKTEAPAAPAAQETKSDGAPASDSKPGSSEAAPSSKETPAATEAPSSTPKAQGAASAEPEK
 PVEAPAAANSQDTVTVKE

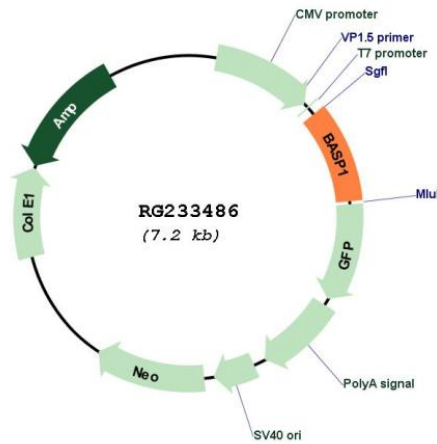
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001271606

ORF Size: 681 bp

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|-------------------------------|---|
| 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: | <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. |
| RefSeq: | NM_001271606.1 , NP_001258535.1 |
| RefSeq Size: | 1727 bp |
| RefSeq ORF: | 684 bp |
| Locus ID: | 10409 |
| UniProt ID: | P80723 |
| Cytogenetics: | 5p15.1 |
| 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] |