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Product datasheet for MC228312

Brap (NM_001289544) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brap (NM_001289544) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Brap
Synonyms:	3010002G07Rik; BRAP2; IMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC228312 representing NM_001289544
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTGATGAGGAGATCAAAAAGAAGACATTGGCTTCCGCTGTCGCCTGTCTAGAAGGGAAGTCAGCCG
GGGAGAAAGCAGCCATCATCCACCAGCACCTTGGCCGTCGGGAAATGACGGATGTGATTATTGAGACCAT
GAAGGCCAGAGCAGATGAAGTGAGAGACACAGTGGAAGAAAAGAAGCCTTCAGCAGCCCCTGTCTCTGCA
CAGAGAAGTAGAGAACAGAGTGAGTCTGTGAACACAGCCCCAGAGTCTCCATCCAAACAGCTCCCAGACC
AGATTTCCTTCTTCAGTGGCAACCCTTCTGTTGAAATAGTCCACGGCATTATGCACCTGTACAAGACAAA
TAAGATGACCTCCCTAAAAGAAGACGTTCGGCGCAGTGCCATGCTGTGTGTCCTCACCGTCCCTGCCACC
ATGACCAGTCATGACCTTATGAAGTTTGTTGCCCCATTCAATGATGTAATTGAACAAATGAAAATCATCA
GGGACTCTACTCCGAATCAGTACATGGTACTGATCAAGTTCAGTGCGCAGGCTGATGCAGACAGTTTCTA
CATGGCGTGCAATGGCCGCCAGTTCAACTCAATCGAAGATGACGTCTGCCAGCTGGTCTATGTGGAAAGG
GCTGAAGTGCTGAAATCTGAAGATGGCGCCAGCCTCCCCGTGATGGACCTGACGGAGCTGCCCAAGTGCA
CTGTGTGTCTGGAGCGGATGGACGAGTCTGTGAATGGCATCCTCACCACCCTCTGCAACCACAGCTTCCA
TAGTCAGTGTCTGCAGCGGTGGGATGACACCACGTGTCCTGTGTGCCGATACTGTCAAACGCCAGAGCCA
GTGGAAGAAAACAAATGTTTTGAGTGTGGTGTCCAGGAAAACCTCTGGATTTGTTTAATATGCGGCCACA
TAGGCTGTGGGCGGTACGTGAGTCGGCATGCTTACAAGCACTTTGAGGAGACCCAGCACACATACGCCAT
GCAGCTCACCAACCATCGAGTCTGGGACTATGCTGGAGATAATTATGTCCATCGACTGGTTGCAAGCAAG
ACGGATGGAAAGATCGTTCAGTACGAGTGTGAGGGCGACACCTGCCAGGAAGAGAAGATAGATGCCTTAC
AGTTAGAGTACTCGTACCTGTTGACAAGCCAGCTGGAATCGCAGCGGATATACTGGGAGAACAAAATCGT
GCGCATAGAGAAGGACACGGCAGAGGAGATTAACAACATGAAGACCAAGTTTAAAGAGACCATCGAGAAG
TGTGACAGCCTGGAGCTCAGGCTCAGTGACCTCCTGAAGGAGAAGCAGTCTGTGGAAAGGAAGTGTACCC
AGCTGAACACCAGAGTGGCCAAGCTCAGCACGGAGCTGCAGGAGGAGCAGGAGCTGAACAAGTGTCTGCG
CGCCAACCAGCTGGTGCTGCAGAACCAGCTCAAGGAGGAGGAGAAGCTGCTGAAGGAGACCTGTGCCCAG
AAAGACCTGCAGATCACCGAGATCCAGGAGCAGCTGCGCGATGTCATGTTCTACCTGGAGACACAGCAGC
AGATCAGCCACCTGCCTGCGGAGACGAGGCAGGAGATCCAGGAAGGCCAGATCAACATCGCCATGGCCTC
AGCGCCCAACCCACCCTCTTCCGGGGCCGGTGGGAAGCTGCAGTCCAGAAAGGGCCGCAGCAAGAGGGGC
AAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001289544

Insert Size: 1686 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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).

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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_001289544.1, NP_001276473.1
RefSeq Size:	3865 bp
RefSeq ORF:	1686 bp
Locus ID:	72399
UniProt ID:	Q99MP8
Cytogenetics:	5 F
Gene Summary:	Negatively regulates MAP kinase activation by limiting the formation of Raf/MEK complexes probably by inactivation of the KSR1 scaffold protein. Also acts as a Ras responsive E3 ubiquitin ligase that, on activation of Ras, is modified by auto-polyubiquitination resulting in the release of inhibition of Raf/MEK complex formation. May also act as a cytoplasmic retention protein with a role in regulating nuclear transport (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.

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