

Product datasheet for **MR223023**

Braf (NM_139294) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Braf (NM_139294) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Braf
Synonyms:	9930012E13Rik; AA120551; AA387315; AA473386; B-raf; Braf-2; Braf2; C87398; C230098H17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR223023 representing NM_139294
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCGCTGAGTGGCGCGGTGGCAGCAGCAGCGGTGGCGCGCGCGCGGTGGCGCGCGCGGTGGCG
 GTGGCGACGGCGCGCGCGCGCGCGGAGCAGGGCCAGGCTCTGTTCAATGGCGACATGGAGCCGAGGCCGG
 CGCTGGCGCGCGCGCGCTCTTCGGCTGCGGACCCGGCCATTCTGAAGAGGTATGGAATATCAAGCAAATG
 ATTAAGTTGACACAGGAACATATAGAGGCCCTATTGGACAAATTTGGTGGAGAGCATAACCCACCATCAA
 TATACCTGGAGGCTATGAAGAGTACACCAGCAAGCTAGATGCCCTTCAGCAAAGAGAACAGCAGCTTTT
 GGAATCCCTGGTTTTTCAAACCTCCACAGATGCATCACGGAACAACCCCAAGTACCACAGAAACCTATC
 GTTAGAGTCTTCCTGCCAACAAACAGAGGACAGTGGTACCCGCAAGATGTGGTGTACAGTTGAGACA
 GTCTAAAGAAAGCACTGATGATGAGAGGTCTCATCCAGAATGCTGTGCTGTTTACAGAATTCAGGATGG
 AGAGAAGAAACCAATTGGCTGGGACACGGACATTTCTGGCTTACTGGAGAGGAGTTACATGTTGAAGTA
 CTGGAGAATGTCCCACTTACAACACACAACCTTTGTACGAAAACTTTTTTACCTTAGCATTTTGTGACT
 TTTGCCGAAAGCTGCTTTTCCAGGGTTCCGTTGTCAAACATGTGGTTATAAATTTACCAGCGTTGTAG
 TACAGAGGTTCCACTGATGTGTGTAATATGACCAACTTGATTTGCTGTTTGTCTCCAAGTTCTTTGAG
 CATCACCCAGTACCACAGGAGGAGGCTCCTTCCAGAGACTGCCCTTCCATCTGGATCCTCTCCGCAC
 CCCCTCAGACTACTGGGCCCAAATCTCCACAGTCCATCTCCTTCAAAATCCATTCGAATTCACACA
 GCCCTTCCGACCAGCAGATGAAGATCATCGCAATCAGTTTGGGCAACGAGACCGGCTCCTCCTCAGCTCCC
 AATGTTTATATAAACACAATTGAGCCTGTGAATATCGATGAAAAATCCCAGAAGTGAATTACAGGATC
 AAAGGGATTTGATTAGAGACCAGGGTTTCGTGGTGATGGAGCCCTTGAACCAACTGATGCGCTGTCT
 TCGGAAATACCAATCCCGGACTCCAGCCCTCCTCCATTCTGTCCCGAGTGAATAGTGTGTTTTGATTTT
 GAGCCTGGCCAGTGTTGAGAGGTCAACCACAGGCTTGTCCGCCACCCCGCTGCCTCATTACCTGGCT
 CACTACTAACGTGAAAGCCTTACAGAAATCTCCAGGTCCTCAGCGGAAAGGAAGTATCTTCTCCTC
 ATCCTCGGAGGACAGAAGTCGGATGAAAACACTTGGTAGAAGAGATTCAAGTGTACTGGGAGATTCT
 GATGGACAGATTACAGTGGGACAGAGAATTGGATCTGGGTCAATTTGAACTGTCTACAAGGGAAAGTGGC
 ATGGTGATGTGGCAGTAAAAATGTTGAATGTGACAGCACCCACACCTCAACAGCTACAGGCCTTCAAAAA
 TGAAGTAGGAGTGCTCAGGAAAACTCGACATGTGAATATCCTCCTTTTCATGGGCTATTCTACAAGCCA
 CAACTGGCAATTGTTACACAGTGGTGTGAGGGCTCCAGCTTATATCACCATCTCCACATCATTGAGACCA
 AATTTGAGATGATCAAACCTTATAGATATTGCTCGGCAGACTGCACAGGGCATGGATTACTTACACGCCAA
 GTCAATCATCCACAGAGACCTCAAGAGTAATAATATTTCTTTCATGAAGACCTCAGGTAATAAATAGGT
 GACTTTGGTCTAGCCACAGTGAATCTCGGTGGAGTGGTCCCATCAGTTTGAACAGTTGTCTGGATCTA
 TTTTGTGGATGGCACCAGAAGTAATCAGAATGCAAGATAAAAACCCGATAGCTTTCAGTACAGCTGTA
 TGCGTTTGGGATTGTTCTGTACGAACCTGATGACCGCCAGCTACCTTATCAAACATCAACAACAGGGAT
 CAGATAATTTTTATGGTGGGACGAGGATACCTATCTCCAGATCTCAGTAAGGTACGGAGTAACTGTCCAA
 AAGCCATGAAGAGATTAATGGCAGAGTGCCTCAAAAAGAAAAGAGACGAGAGACCACTCTTCCCCAAAT
 TCTCGCCTCCATTGAGCTGCTGGCCCGCTCATTGCCAAAAATTCACCGCAGTGCATCAGAACCCTTCTTG
 AATCGGGCTGGTTTCAAACAGAAGATTTTAGTCTGTATGCTTGTGCTTCTCCGAAAAACCCCATCCAAG
 CAGGGGATATGGAGAATTTGCAGCCTTCAAG

ACGCGTACGCGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223023 representing NM_139294
 Red=Cloning site Green=Tags(s)

MAALSGGGGSSGGGGGGGGGGGGGGGGGAEQGGQALFNGDMEPEAGAGAAASSAADPAIPEEVWNIKQM
 IKLTQEHEIALDKFGGEHNPPSIYLEAYEYYSKLDALQQREQLLESVLFQPTDASRNNPKSPQKPI
 VRVFLPNKQRTVVPARCGVTVRDSLKALKMMRGLIPECCAVYRIQDGEKKPIGWDTDISWLTGEELHVEV
 LENVPLTTHNFVRKFTFLAFCDFCRKLFLQGFRCQTCGYKFHQRCSTEVPLMCVNYDQLDLLFVSKFFE
 HHPVPQEEASFETALPSGSSSAPPDSTGPQILTSPSPSKSIPQPFPADEDHRNQFGQRDRSSSAP
 NVHINTIEPVNIDEKFPEVELQDQRDLIRDQGFQDGAFLNQLMRCLRKYQSRTPSPLLHVPSEIVDFD
 EPGPVFRGTTGLSATPPASLPGSLTNVKALQKSPGQERKSSSSSSSEDRSRMKTLGRRDSSDDWEIP
 DGQITVQQRIGSGSFGTYVYKWKWHGDVAVKMLNVTAPTPQQLQAFKNEVGVLKTRHVNILLFMGYSTKP
 QLAIVTQWCEGSSLYHHLHIETKFEMIKLIDIAHQTAQGM DYLHAKSIIHRDLKSNINIFLHEDLTVKIG
 DFGLATVKSRSWGS HQFEQLSGSILWMAPEVIRMQDKNPYSFQSDVYAFGIVLYELMTGQLPYSINNRD
 QIIFMVG RGYLSPDL SKVRSNCPKAMKRLMAECLKKRDERPLFPQILASIELLARSLPKIHRSA SEPSL
 NRAGFQTEDFSLYACASPKTPIQAGGYGEFAAFK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_139294
ORF Size: 2412 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:

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_139294.5](#), [NP_647455.3](#)

RefSeq Size: 9728 bp

RefSeq ORF: 2415 bp

Locus ID: 109880

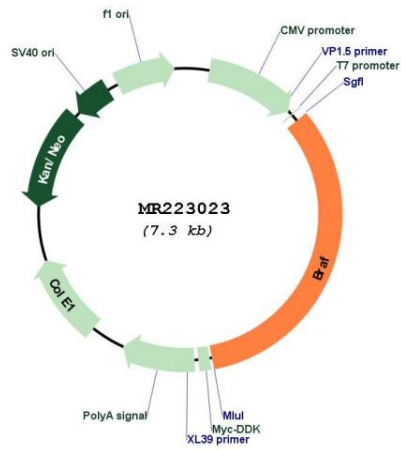
UniProt ID: [P28028](#)

Cytogenetics: 6 18.43 cM

MW: 89.2 kDa

Gene Summary: Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. May play a role in the postsynaptic responses of hippocampal neuron (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223023