

## Product datasheet for **MC221774**

### **Braf (NM\_139294) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Braf (NM_139294) Mouse Untagged Clone
Tag:	Tag Free
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)



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**Fully Sequenced ORF:** >MC221774 representing NM\_139294  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGCGCTGAGTGGCGCGGTGGCAGCAGCAGCGGTGGCGCGCGCGCGGTGGCGCGCGCGGTGGCG  
 GTGGCGACGGCGCGCGCGCGCGCGGAGCAGGGCCAGGCTCTGTTCAATGGCGACATGGAGCCGAGGCCGG  
 CGCTGGCGCGCGCGCGCTCTTCGGCTGCGGACCCGGCCATTCTGAAGAGGTATGGAATATCAAGCAAATG  
 ATTAAGTTGACACAGGAACATATAGAGGCCCTATTGGACAAATTTGGTGGAGAGCATAACCCACCATCAA  
 TATACCTGGAGGCCATGAAGAGTACACCAGCAAGCTAGATGCCCTTCAGCAAAGAGAACAGCAGCTTTT  
 GGAATCCCTGGTTTTTCAAACCTCCACAGATGCATCACGGAACAACCCCAAGTACCACAGAAACCTATC  
 GTTAGAGTCTTCCTGCCAACAAACAGAGGACAGTGGTACCCGCAAGATGTGGTGTACAGTTGAGAGACA  
 GTCTAAAGAAAGCACTGATGATGAGAGGTCTCATCCAGAATGCTGTGCTGTTTACAGAATTCAGGATGG  
 AGAGAAGAAACCAATTGGCTGGGACACGGACATTTCTGGCTTACTGGAGAGGAGTTACATGTTGAAGTA  
 CTGGAGAATGTCCCACTTACAACACACAACCTTTGTACGAAAACTTTTTTACCTTAGCATTTTGTGACT  
 TTTGCCGAAAGCTGCTTTTCCAGGGTTCCGTTGTCAAACATGTGGTTATAAATTTACCAGCGTTGTAG  
 TACAGAGGTTCCACTGATGTGTGTAATATGACCAACTTGATTTGCTGTTTGTCTCCAAGTTCTTTGAG  
 CATCACCCAGTACCACAGGAGGAGGCCCTCTTCCAGAGACTGCCCTTCCATCTGGATCCTCTTCCGCAC  
 CCCCTCAGACTACTGGGCCCAAATCTCACCAGTCCATCTCCTTCAAAATCCATTCCAATTCACACA  
 GCCCTTCCGACCAGCAGATGAAGATCATCGCAATCAGTTTGGGCAACGAGACCGGTCTCCTCAGCTCCC  
 AATGTTTATATAAACACAATTGAGCCTGTGAATATCGATGAAAAATCCCAGAAGTGAATTACAGGATC  
 AAAGGAAATTTGATTAGAGACCAGGGTTTCGTGGTGTGGAGGCCCTTGAACCAACTGATGCGCTGTCT  
 TCGGAAATACCAATCCCGACTCCAGCCCTCCTCCATTCTGTCCCCAGTGAAATAGTGTGTTGATTTT  
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 CACTACTAACGTGAAAGCCTTACAGAAATCTCCAGGTCTCAGCGGAAAGGAAGTATCTTCTCCTC  
 ATCCTCGGAGGACAGAAGTCGGATGAAACACTTGGTAGAAGAGATTCAAGTGTGACTGGGAGATTCT  
 GATGGACAGATTACAGTGGGACAGAGAATTGGATCTGGGTCAATTTGAACTGTCTACAAGGGAAAGTGGC  
 ATGGTGTGTGGCAGTAAAAATGTTGAATGTGACAGCACCCACACCTCAACAGCTACAGGCCCTCAAAAA  
 TGAAGTAGGAGTGTGAGAAAACTCGACATGTGAATATCCTCCTTTTTCATGGGCTATTCTACAAAGCCA  
 CAACTGGCAATTGTTACACAGTGGTGTGAGGGCTCCAGCTTATATCACCATCTCCACATCATTGAGACCA  
 AATTTGAGATGATCAAACCTTATAGATATTGCTCGGCAGACTGCACAGGGCATGGATTACTTACACGCCAA  
 GTCAATCATCCACAGAGACCTCAAGAGTAATAATATATTTCTTTCATGAAGACCTCAGGTAATAATAGGT  
 GACTTTGGTCTAGCCACAGTGAATCTCGGTGGAGTGGTCCCATCAGTTTGAACAGTTGTCTGGATCTA  
 TTTTGTGGATGGCACCAGAAGTAATCAGAATGCAAGATAAAAACCCGTATAGCTTTCAGTACAGCTGTA  
 TGCGTTTGGGATTGTTCTGTACGAATGATGACCGCCAGCTACCTTATCAAACATCAACAACAGGGAT  
 CAGATAATTTTTATGGTGGGACGAGGATACCTATCTCCAGATCTCAGTAAGGTACGGAGTAACTGTCCAA  
 AAGCCATGAAGAGATTAATGGCAGAGTGCCTCAAAAAGAAAAGAGACGAGAGACCACTCTTCCCCAAAT  
 TCTCGCCTCCATTGAGCTGTGGCCGCTCATTGCCAAAAATTCACCGCAGTGCATCAGAACCCTTCTCTG  
 AATCGGGCTGGTTTCAAACAGAAGATTTTAGTCTGTATGCTTGTGCTTCTCCGAAAAACCCCATCCAAG  
 CAGGGGATATGGAGAATTTGCAGCCTTCAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1174\\_e10.zip](https://cdn.origene.com/chromatograms/ja1174_e10.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_139294

**Insert Size:** 2415 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_139294.5</a> , <a href="#">NP_647455.3</a>
<b>RefSeq Size:</b>	9728 bp
<b>RefSeq ORF:</b>	2415 bp
<b>Locus ID:</b>	109880
<b>UniProt ID:</b>	<a href="#">P28028</a>
<b>Cytogenetics:</b>	6 18.43 cM
<b>Gene Summary:</b>	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]