

Product datasheet for **RC202444**

BRAF35 (HMG20B) (NM_006339) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRAF35 (HMG20B) (NM_006339) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BRAF35
Synonyms:	BRAF25; BRAF35; HMGX2; HMGXB2; PP7706; pp8857; SMARCE1r; SOXL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202444 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCACGGCCCCAAGCAGCCCGGCGCGCCGCGCGCGGGCGGCAAGGCTCCGGGCCAGCATG
GGGGCTTCGTGGTACTGTCAAGCAAGAGCGCGCGAGGGTCCACGCGCGGGCGAGAAGGGTCCCACGA
GGAGGAGCCGGTGAAGAAACCGGCTGGCCCAAGGGCAAGAAGCGGAAGAAGATTCTGCCGAATGGGCC
AAGGCACCGGTACGGGCTACGTGCGCTTCTGAACGAGCGCGCGAGCAGATCCGCACGCGCCACCCGG
ATCTGCCCTTTCCCGAGATCACCAAGATGCTGGGCGCGAGTGGAGCAAGCTGCAGCCAACGGAAAAGCA
GCGGTACCTGGATGAGGCCGAGAGAGAGAAGCAGCAGTACATGAAGGAGCTGCGGGCGTACCAGCAGTCT
GAAGCCTATAAGATGTGCACGGAGAAGATCCAGGAGAAGAAGATCAAGAAAGAAGACTCGAGCTCTGGG
TCATGAACACTCTCCTGAATGGACACAAGGGTGGGACTGCGATGGCTTCTCCACCTTCGATGTTCCCAT
TTCACTGAAGAGTTCTTGGACAAAACAAAGCGCGTGGAGCGGAGCTTCGGCGCTTGGGGAAGTGAAT
GTGGCCTTCGAGGAGCAGAACCGGTAAGTGCAGAGGCACACGCAGAGCATGAGCAGCGCGCGGAGCGTC
TGGAGCAGGAGCTGGCGCTGGAGGAGCGGAGGACGCTGGCGTGCAGCAGCAGCTCCAGGCCGTGCCCA
GGCGCTCACCGCCAGCTTCGCCTCACTGCCGGTGCCGGGCACGGGCGAAACGCCACGCTGGGCACTCTG
GACTTCTACATGGCCCGGCTTACGGAGCCATCGAGCGCCAGCCCGCCAGCAGAGAAGCTCATCGTCC
GCATCAAGGAAATCCTGGCCAGGTCCGAGCGAGCACCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC202444 protein sequence
Red=Cloning site Green=Tags(s)

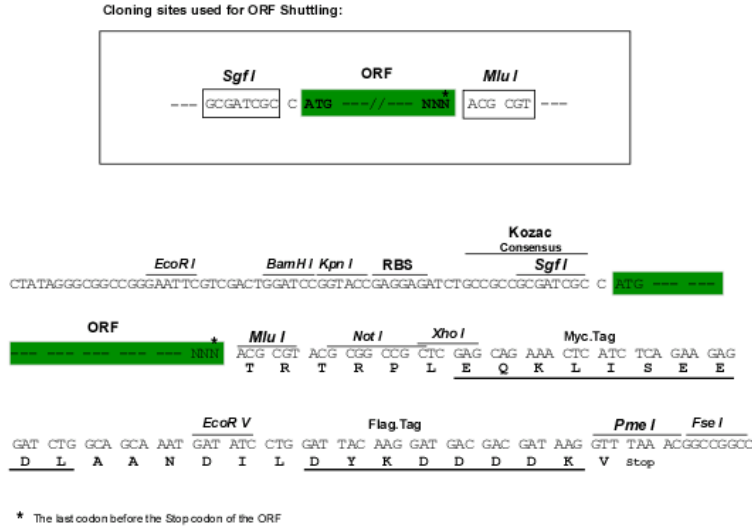
MSHGPKQPAAAAAPAGGKAPGQHGFFVTVKQEREGEPRAKEKGSHEEPPVKKRGWPKGKKRKKILPNGP
 KAPVTGYVRFNLNERREQIRTRHPDLPFPEITKMLGAWSKLQPTKQRYLDEAEREKQYMKELRAYQQS
 EAYKMCTEKIQEKKIKKEDSSSGLMNTLLNGHKGGDCDGFSTFDVPIFTEEFLDQNKAREAELRRLKMN
 VAFEEQNAVLQRHTQSMSSARERLEQELALEERTLALQQQLQAVRQAL TASFASLPVPGTGETPTLGTL
 DFYMARLHGAIERDPAQHEKLI VRIKEILAQVASEHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6143_b04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006339

ORF Size: 951 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_006339.3](#)

RefSeq Size: 1584 bp

RefSeq ORF: 954 bp

Locus ID: 10362

UniProt ID: [Q9P0W2](#)

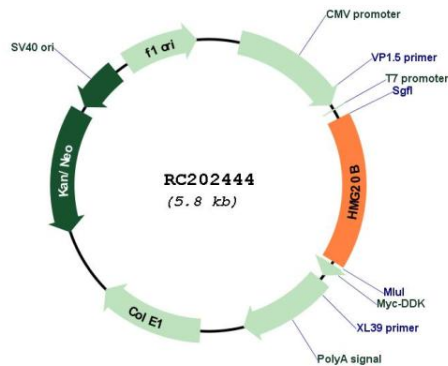
Cytogenetics: 19p13.3

Protein Families: Druggable Genome, Transcription Factors

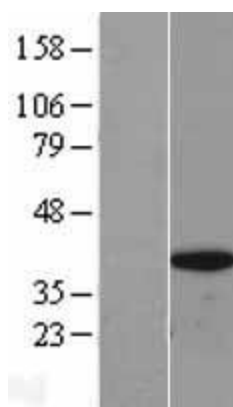
MW: 35.8 kDa

Gene Summary: Required for correct progression through G2 phase of the cell cycle and entry into mitosis. Required for RCOR1/CoREST mediated repression of neuronal specific gene promoters. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC202444



Western blot validation of overexpression lysate (Cat# [LY401908]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202444 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).