

Product datasheet for **RG202444**

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:	TurboGFP
Symbol:	BRAF35
Synonyms:	BRAF25; BRAF35; HMGX2; HMGXB2; PP7706; pp8857; SMARCE1r; SOXL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202444 representing NM_006339 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCACGGCCCAAGCAGCCCGCGCGCCGCGCGCGGGCGGCAAGGCTCCGGGCCAGCATG
GGGGCTTCGTGGTACTGTCAAGCAAGAGCGCGCGAGGGTCCACGCGCGGGCGAGAAGGGTCCCACGA
GGAGGAGCCGGTGAAGAAACCGGCTGGCCCAAGGGCAAGAAGCGGAAGAAGATTCTGCCGAATGGGCC
AAGGCACCGGTACGGGCTACGTGCGCTTCCTGAACGAGCGCGCGAGCAGATCCGCACGCGCCACCCGG
ATCTGCCCTTTCCCGAGATCACCAAGATGCTGGGCGCGAGTGGAGCAAGCTGCAGCCAACGGAAAAGCA
GCGGTACCTGGATGAGGCCGAGAGAGAGAAGCAGCAGTACATGAAGGAGCTGCGGGCGTACCAGCAGTCT
GAAGCCTATAAGATGTGCACGGAGAAGATCCAGGAGAAGAAGATCAAGAAAGAAGACTCGAGCTCTGGG
TCATGAACACTCTCCTGAATGGACACAAGGGTGGGGACTGCGATGGCTTCTCCACCTTCGATGTTCCCAT
TTCACTGAAGAGTTCTTGGACAAAACAAAGCGCGTGGAGCGGAGCTTCGGCGCTTGGGGAAGTGAAT
GTGGCCTTCGAGGAGCAGAACCGGTAAGTGCAGAGGCACACGCAGAGCATGAGCAGCGCGCGAGCGTC
TGGAGCAGGAGCTGGCGCTGGAGGAGCGGAGGACGCTGGCGTGCAGCAGCAGCTCCAGGCCGTGCCCA
GGCGCTCACCGCCAGCTTCGCCTCACTGCCGTTGCCGGCACGGGCGAAACGCCACGCTGGGCACTCTG
GACTTCTACATGGCCCGGCTTACGGAGCCATCGAGCGCGACCCCGCCAGCAGAGAAGCTCATCGTCC
GCATCAAGGAAATCCTGGCCAGGTCCGAGCGAGCACCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202444 representing NM_006339
 Red=Cloning site Green=Tags(s)

MSHGPKQPAAAAAPAGGKAPGQHGFFVTVKQEREGEPRAKEKGSHEEPPVKKRGWPKGKKRKKILPNGP
 KAPVTGYVRFNLNERREQIRTRHPDLPFPEITKMLGAWSKLQPTKQRYLDEAEREKQQYMKELRAYQQS
 EAYKMCTEKIQEKKIKKEDSSSGLMNTLLNGHKGGDCDGFSTFDVPIFTEEFLDQNKAREELRRLKMN
 VAFEEQNAVLQRHTQSMSSARERLEQELALEERTLALQQQLQAVRQALTASFASLPVPGTGETPTLGTL
 DFYMARLHGAIERDPAQHEKLIVRIKEILAQVASEHL

TRTRPLE - GFP Tag - V

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

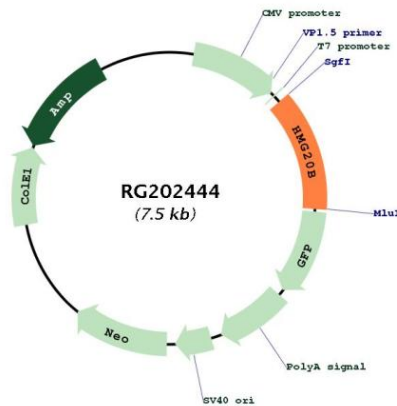
UniProt ID: [Q9P0W2](#)

Cytogenetics: 19p13.3

Protein Families: Druggable Genome, Transcription Factors

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 RG202444