

Product datasheet for **MG202372**

Hmg20b (BC003924) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmg20b (BC003924) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hmg20b
Synonyms:	Smarce1r, Hmgx2, BRAF35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202372 representing BC003924 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGGGCGCCGAGTGGAGCAAGCTGCAGCCGGCAGAGAAGCAGCGGTACCTGGATGAGGCAGAGAAGG
AGAAACAGCAGTACTTGAAGGAGCTGTGGGCATACCAGCAGTCAGAGGCCTACAAGGTCTGCACTGAGAA
GATTCAAGAAAACAAAATTAAGAGAGGACTCCAGTTCTGGGCTCATGAACACCCTCCTGAATGGGCAC
AAGGGTGTGGACTGCGATGGCTTTCCACCTTTGATGTGCCATCTTACGGAAGAGTTTCTGGACCAA
ACAAAGCACGCGAGGCAGAGCTGCGGCGCCTGAGAAAGATGAACGTGGCCTTCGAGGAGCAGAATGCGGT
GCTGCAGCGCCACACGCAGAGCATGAGCAGCGCGCTGAGCGTCTGGAGCAGGAGTTGGCGCTGGAGGAG
CGGCGCACACTGGCATTGCAGCAGCAACTACAGGCCGTGAGGCAGGCGCTCACGGTAGCTTCGCCTCCC
TGCCGGTGCCCGGACCCGGGAGACACCGACCCTCGGGACGCTGGACTTTTACATGGCGCGGCTTCATGG
AGCCATCGAGCGGACCCCGCGCAGCAGAGACTGATCGCGCGCTCAAGGAGATCCTGGCGCGGGTA
GCCAGCGAGCACCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202372 representing BC003924
Red=Cloning site Green=Tags(s)

MLGAEWSKLQPAEKQRYLDEAEKEKQYQLKELWAYQQSEAYKVCTEKIQENKIKKEDSSSGLMNTLLNGH
 KGVDCDGFSTFDVPIFTEEFLDQNKAREAELRRLRKMNVAFEEQNAVLQRHTQSMSSARERLEQELALEE
 RRTLALQQQLQAVRQAL TASFASLPVPGTGETPTLGTLDYFYMARLHGAIERDPAQHERLIARVKEILARV
 ASEHL

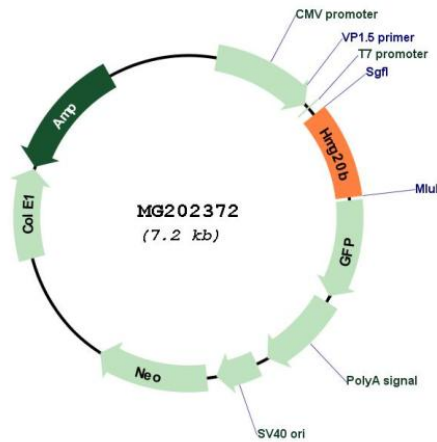
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC003924

ORF Size: 645 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:	<ol style="list-style-type: none">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:	BC003924.1
RefSeq Size:	1545 bp
RefSeq ORF:	647 bp
Locus ID:	15353
Cytogenetics:	10 39.72 cM
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 (By similarity).[UniProtKB/Swiss-Prot Function]