

Product datasheet for **MG220089**

Brms1l (NM_001037756) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brms1l (NM_001037756) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Brms1l
Synonyms:	0710008O11Rik; AI159718; BRMS1; D12Ertd407e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220089 representing NM_001037756 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGTCCATTCTCGAGGGGATAAGAAGGAGACGAATCATCACGATGAGATGGAGGTGGACTACGCGG
AGAACGAGGGGAGCAGTCCGAAGACGAGGACACCGAGAGCTCGTCGGTCTCGGAGGATGGGACAGTTC
AGAAATGGATGATGAAGATTGTGAAAGGAGAAGGATGGAGTGTTAGATGAGATGTCCAACCTGGAGAAG
CAGTTTACAGACCTCAAAGATCAACTTTATAAAGAGCGGTTGAGTCAGGTGGATGCAAACTCCAAGAAG
TCATAGCTGAAAAGCACCAGAGTATTTGGAACCACTGGCCACCTTACAAGAAAACATGCAGATTGCAC
AAAGGTAGCAGGAATCTATAGAGAACTCTGCTTAGAGTCTGTGAAGAACAAGTACGAATGTGAAATCCAG
GCTTCTCGACAGCATTGTGAGAGTGAAAAGCTTTTGTATATGATACAGTCCAGAGTGAGCTTGAGGAGA
AGATAAGAAGGCTTGAGGAGGACAGGCACAGCATCGACATTACCTCAGAGCTGTGGAACGACGAGCTTCA
GTCACGGAAAAAGAGGAAGGATCCGTTCCAGCCCGACAAGAAGAAGCCGGTCGTTGTCTCAGGTCCATAT
ATAGTTTATATGCTGCAGGATCTCGACATTCTTGAGGACTGGACGACAATTAGGAAGGCAATGGCTACAC
TGGGTCCACACCGAGTTAAAACAGAACCACCTGTGAACTGGAGAACAATCTGCACAGTGCCAGATCGGA
AGAGGGAAAGACTGTATTACGATGGTGAATGGTATATACGTGGACAGACGATATGTATTGATAGAAAAGAT
GAGTGTCCACAAGTGCTGAATTAACAACAATTAACCATGATGAAGTTTGGTTTAAAGAGGCTGTGGAA
GCAAATTAAGCTTTACATTTACAGCTACAGAAAGGAAAATACTCAATTAACATTCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220089 representing NM_001037756
 Red=Cloning site Green=Tags(s)

MPVHSRGDKKETNHHDEMEVDYAENEGSSSEDETESSVSSEDGDSSEMDDDCERRRMECLDEMSNLEK
 QFTDLKDQLYKERLSQVDAKLQEVIAKGAPEYLEPLATLQENMQIRTKVAGIYRELCLESVKNKYECEIQ
 ASRQHCESEKLLLYDTVQSELEEKIRRLEEDRHSIDITSELWNDELQSRKKRKPDPFSPDKKKPVVSGPY
 IVYMLQDLDILEDWTTIRKAMATLGPVRVKTTEPPVKLEKHLHSARSEEGRLLYYDGEWYIRGQTICIDRKD
 ECPTSAVITTTINHDEVWFKRPDGSKSKLYISQLQKKGKYSIKHS

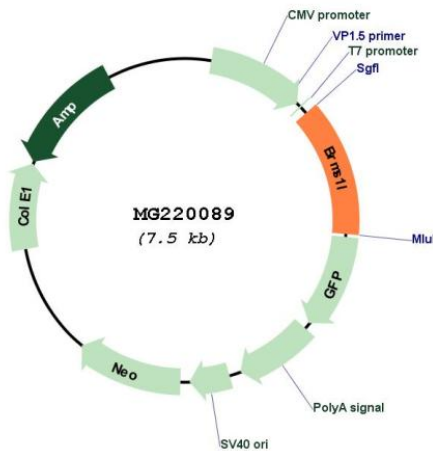
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001037756

ORF Size: 969 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:	NM_001037756.3
RefSeq Size:	2566 bp
RefSeq ORF:	972 bp
Locus ID:	52592
UniProt ID:	Q3U1T3
Cytogenetics:	12 24.18 cM
Gene Summary:	Involved in the histone deacetylase (HDAC1)-dependent transcriptional repression activity. When overexpressed in lung cancer cell line that lacks p53/TP53 expression, inhibits cell growth (By similarity).[UniProtKB/Swiss-Prot Function]