

Product datasheet for **RN200863**

Brms1 (NM_001009605) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Brms1 (NM_001009605) Rat Untagged Clone
Tag: Tag Free
Symbol: Brms1
Synonyms: MGC95128
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN200863 representing NM_001009605
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCATCCAGCCTTCAGGAAAGAAACAGAAGAGATGGAGGCAGAAGGCGATTACGCAGCTGAGATGA
ACGGGGAGGCAGATGAGAGTGAGGAGGAACGGAGCGCCAGCCAGACTGAGTCAGAGGAGGAGAGCTCAGA
GATGGATGACGAGGACTATGAGCGGCCGCCAGTGAGTGTGTGAGTGTGCTGGACCTGGAAAAGCAG
TTCTCGGAGCTGAAGGAGAAGTTGTTTCAGGGAACGGCTGAGCCAGCTGCGATTACGACTGGAGGAAGTGG
GGGCCGAGAGAGCCCAAGATATACAGAGCCTCTTGGAGGGCTACAGCAGAGCCTAAAGATTCGTATTCA
GGTGGCAGGGATCTACAAGGGCTTCTGTCTGGATGTGATCAGGAATAAGTATGAATGTGAACTACAGGGA
GCCAAACAGCACCTCGAGAGTGAGAAGCTGCTGTGTATGACACACTGCTTGGGGAGCTGCAGGAGCGGA
TCCAGAGGCTGGAGGAGGACAGACAGAGCCTGGACATCAGCTCTGAGTGGTGGGACGACAACTACATAG
CAGGGGCGAGTTTGAAGACCTGGGACTCAGTGCCACCCAGCAAGAGGAAGAAGGCACCACTCGTTTCTGGC
CCATACATTGTGTACATGCTGCAGGAGATCGACATCCTGGAAGACTGGACGGCCATCAAAAAGGCCAGGG
CAGCAGTGTCCCCTCAGAAGAGAAAAGCAGATGGACCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001009605
Insert Size: 741 bp



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OTI Disclaimer:	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).
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_001009605.1 , NP_001009605.1
RefSeq Size:	1343 bp
RefSeq ORF:	741 bp
Locus ID:	293668
UniProt ID:	Q5M7T3
Cytogenetics:	1q43
Gene Summary:	Transcriptional repressor. Down-regulates transcription activation by NF-kappa-B by promoting the deacetylation of RELA at 'Lys-310'. Promotes HDAC1 binding to promoter regions. Down-regulates expression of anti-apoptotic genes that are controlled by NF-kappa-B. Promotes apoptosis in cells that have inadequate adherence to a substrate, a process called anoikis, and may thereby inhibit metastasis (By similarity).[UniProtKB/Swiss-Prot Function]