

Product datasheet for **RR209450**

Brs3 (NM_152845) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brs3 (NM_152845) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Brs3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209450 representing NM_152845 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTCAAAGGCAGCCTCAGTCACCTAATCAGACTTTAATTTCCATTACAAATGACACAGAAACATCAA
GCTCTGCCGTCTCCAACGATACTACACCTAAAGGATGGACCGGAGACAACCTCCAGGAATAGAAGCACT
GTGTGCCATCTATACCTTATGCTGTGATCATTTTCAGTGGGCATCCTCGGAAATGCTATCCTCATCAA
GTCTTTTTCAAGACTAAATCCATGCAAACAGTTCCAAATATTTTCATCACCAGCCTGGCTTTTGGAGATC
TGTTACTCCTGCTGACTTGTGTGCCAGTGGATGCAACCCACTACCTGGCAGAGGGATGGCTGTTGGAAA
GGTCGGTGTAAAGTGCTTTCCTTCATCCGGCTCACTTCTGTCGGTGTATCAGTGTTCACGCTGACAATT
CTCAGCGCTGACAGATACAAAGCAGTCGTGAAGCCACTTGAACGACAGCCCTCCAATGCCATTCTGAAGA
CCTGTGCCAAAGCTGGTGGCATCTGGATCATGGCTATGATATTTGCTCTGCCAGAGGCTATATTCTCAA
TGTATACACTTTCCAAGATCCTAACAGAAACGTAACATTTGAATCCTGTAACCTACCCTATCTCTGAG
AGGCTTTTGCAGGAAATACATTCTGTTGTGTTTCTTGGTGTCTACATTATCCCGCTCTCGATTATCT
CTGTCTATTATTCTTTGATTGCCAGGACTCTTTACAAAAGCACCTTGAACATACCGACTGAGGAACAAAG
CCATGCCCCGAAAGCAGATTGAATCCCGGAAGAGATTGCCAAAACGGTACTGGTGTCTGGTGGCTCTGTTC
GCACTCTGCTGGTTGCCGAATCACCTCCTGTATCTCTATCACTCATTCACTTATGAAAGTACGCAGAGC
CTTCTGATGTCCCTTTCGTTGTCAACATTTTCTCTCGGGTGTGGCTTTCAGTAATTCCTGCGTGAACCC
CTTTGCTCTGTATTGGCTGAGCAAGACCTTCCAGAAGCATTTTAAAGGCTCAGCTCTGCTGCTTCAAGGCA
GAGCAGCTGAACCTCCTCTTGGTGACACCCCTTAAACAACCTCACTGTGATGGGGCGGTTCCAGCTA
CTGGGAGTGCACAGTCTCTGAAATTAGCGTGACCCTGTTTAGTGGCAGTACTGCCAAGAAAGGAGAGGA
CAAAGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209450 representing NM_152845
Red=Cloning site Green=Tags(s)

MSQRQPQSPNQTLISITNDTETSSSAVSNDDTPKGTGDNSPGIEALCAIYITYAVIISVGI LGNAILIK
VFFKTKSMQTVPNIFITSLAFGDL LLLLCV PVDATHYLAEGWLF GKVGCKVLSFIRLTSVGVSVFTLTI
LSADRYKAVVKPLERQPSNAILKTCAKAGGIWIMAMIFALPEAIFSNVYTFQDPNRNVTFESCNSYP
ISE RLLQEIHSL LCLFVFI IPLSII SVYSLIARTLYKSTLNIPTEE QSHARKQIESRKRIAKTVLVLV
ALF ALCWLPNHLLYL YHSFTY ESYAEP SDVPFVVTIFSRV LAFSNSCV NPFALY WLSKTFQKH
FKAQLCCFKA EQPEPPLGDTPLN LTVMGRVPATGSAHVSEISVTLFSGSTAKKGEDKV

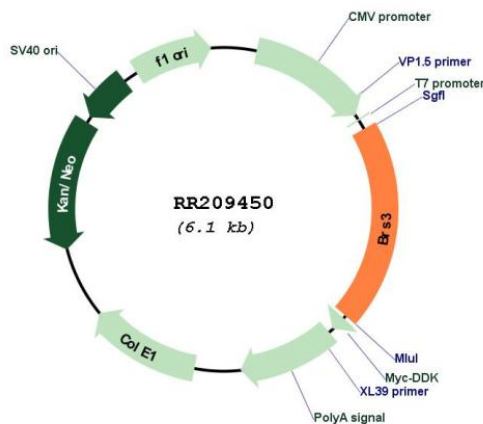
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_152845

ORF Size:	1197 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_152845.1 , NP_690058.1
RefSeq Size:	1380 bp
RefSeq ORF:	1200 bp
Locus ID:	260319
UniProt ID:	Q8K418
Cytogenetics:	Xq37
MW:	44.2 kDa
Gene Summary:	weakly activated by agonist dY-bombesin [RGD, Feb 2006]