

Product datasheet for **MG221973**

Brs3 (NM_009766) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Brs3 (NM_009766) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Brs3
Synonyms: BRS-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG221973 representing NM_009766
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTCAAAGGCAGTCTCAGTCACCTAATCAGACTTTAATTTCCATTACAAATGACACAGAAACATCAA
 GCTCTGTCGTCTCCAACGATACTACACATAAAGGATGGACCGGAGACAACTCTCCAGGAATAGAAGCACT
 GTGTGCCATCTATACCTTATGCTGGGATCATTTAGTGGGCATCCTCGGAAATGCTATCCTCATCAA
 GTCTTTTTCAAGACTAAATCCATGCAAACAGTTCAAATATTTTCATCACCAGCCTGGCTTTCGGAGACC
 TGTACTTCTGCTGACTTGTGTGCTGTGGATGCAACCCACTACCTGGCAGAAGGATGGCTGTTGGAAA
 GGTCGGTTGTAAAGTGCTTTCCTTCATCCGGCTCACTTCTGTGGTGTGTGAGTTCACGCTAACAAAT
 CTCAGCGCTGACAGATACAAAGCAGTCGTGAAGCCACTTGAGCGCAGACCCCAATGCCATTCTGAAGA
 CCTGTGCAAAAGCTGGTGGCATCTGGATCGTGTCTATGATATTTGCTCTGCCAGAGGCTATATTCTCAA
 TGTATACACTTTCCAAGATCCTAACAGAAATGTGACATTTGAATCATGTAACCTCTACCCTATCTCTGAG
 AGGCTTTTGCAAGAAATACATTCTGTGTGTTTCTGGTATTCTACATTATCCCGCTCTCGATTATCT
 CTGTCTATTATTCTTTGATTGCCAGGACTCTTTACAAAAGCACCTGAACATACCGACTGAGGAACAAAG
 CCATGCCCCGAAAGCAGATTGAATCCCGAAGAGAATTGCCAAAACAGTTTGGTGTGGTGGCTCTGTTC
 GCACTCTGCTGGTTGCCGAATCATCTCCTGTATCTACCCTCTTCACTTATGAAAGCTATGCAAACC
 ACTCTGATGTCCTTTTGTATCATATTTCTCTCGGGTGTGGCTTTCAGTAATTCCTGCGTGAACCC
 CTTTGCTCTATTGGCTGAGCAAGACCTTCCAGCAGCATTTTAAAGCTCAGCTCTGCTGCCTCAAGGCA
 GAGCAGCCTGAGCCTCTTGGTGACATCCCCCTTAACAACCTCACTGTGATGGGGCGGGTCCCAGCTA
 CTGGGAGTGCACATGTCTCTGAAATTAGTGTGACCCTGTTAGTGGCAGTAGTCCCAAGAAGGGAGAGGA
 CAAAGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221973 representing NM_009766
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MSQRQSQSPNQTLISITNDTETSSSVVSNDDTHKGTGDNSPGIEALCAIYITYAGIISVGILGNAILIK
 VFFKTKSMQTVPNIFITSLAFGDL LLLLCV PVDATHYLAEGWLF GKVGCKVLSFIRLTSVGVSVFTLTI
 LSADRYKAVVKPLERQPPNAILKTCAKAGGIWIVSMIFALPEAIFSNVYTFQDPNRNVTFESCNSYPISE
 RLLQEIHSLLCFLVFIIPLSIISVYVSLIARTLYKSTLNIPTEEQSHARKQIESRKRIAKTVLVLVLF
 ALCWLPNHLLYL YHSFTYESYANHSDVPFVIIIFSRVLAFSNSCVNPFALYWLSKTFQQHFKACLCLKA
 EQPEPPLGDIPLNNTVMGRVPTGSAHVSEISVTLFSGSSAKKGEDKV

TRTRPLE - GFP Tag - V

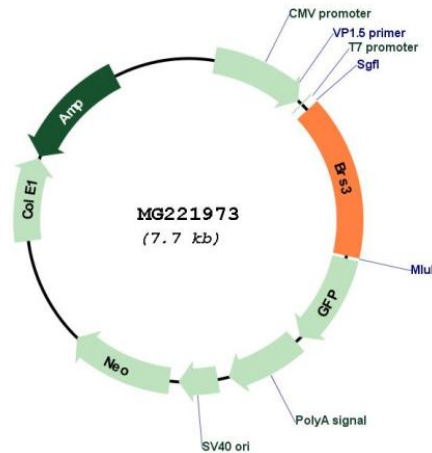
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_009766

ORF Size:	1197 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_009766.3 , NP_033896.2
RefSeq Size:	2772 bp
RefSeq ORF:	1200 bp
Locus ID:	12209
UniProt ID:	O54798
Cytogenetics:	X A6
Gene Summary:	Role in sperm cell division, maturation, or function. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.[UniProtKB/Swiss-Prot Function]