

Product datasheet for **MG204082**

Blvra (BC052146) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Blvra (BC052146) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Blvra
Synonyms: 0610006A11Rik; 2500001N03Rik; Blvr
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204082 representing BC052146
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTACTGAGCCAAAGAGGAAATTTGGTGTGGTAGTGGTTGGTGTGGCAGAGCTGGCTCTGTGAGGA
TAAGGGACTCGAAGGATCCACACTCTTCAGCATTCTAAACCTGATTGGATATGTGTCCAGACGAGA
TGGGAGCCTTGATAATGTACGGCAGATTTCTTTGGAAGATGCTCTCCGCAGCCAAGAGGTTGATGTCGCC
TATATTTGCACTGAGAGTCCAGCCACGAAGACTATATAAGGCAGTTTCTTCAGGCTGGCAAGCATGTCC
TCGTGGAATACCCCATGGCATTGTCATTTGCGGCAGCGCAGGAGCTGTGGGAGCTGGCTGCACAGAAAGG
GAGAGTCTGCATGAGGAGCACATCGAACTCTTGATGGAAGAGTTCGAATTCCTGAAAAGAGAAGTGCC
GGGAAGGAGCTGCTAAAAGGATCTCTTCGCTTCACAGCCAGCCCCCTGGAAGAAGAGAAATTTGGCTTCC
CTGCGTTCACTGGCATTCTCGCCTGACCTGGCTGGTCTCCCTCTTTGGGGAGCTTTCTCTATTCTG
CACCATGGAAAACCGAAAAGAAGATCAATATATGAAAATGACCGTGCAGCTCGAGACCCAGAACAAAAGT
CCATTATCATGGATTGAAGAGAAAGGCCCTGGCTTAAAAGGAACAGACATATAAGCATCCACTTCAAAT
CTGGGTCTTGGAGGAAGTGCCAAATGTAGGAGTCAATAAGAACATTTCTGAAAGATCAGGATATATT
TATCCAGAAGCTCTTGGGCCAGGTCTCTGCAGAGGACCTGGCTGCTGAGAAGAAGCGCATCTGCATTGC
CTGGAGCTGGCCAGCGACATCCAGAGGCTGTGCCACCGAAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204082 representing BC052146
 Red=Cloning site Green=Tags(s)

MSTEPKRKFGVVVGVGRAGSVRIRDSKDPHSSAFNLIGYVSRELGSLDNVRQISLEDALRSQEV DVA
 YICTESSSHEDYIRQFLQAGKHVLEYPMALSF AAAQELWELAAQKGRVLHEEHIELLMEEFEFLKREVA
 GKELLKGSRLFTASPLEEEKFGFPAFSGISR L TWL VSLFGELSLISATMENRKEDQYMKMTVQLETQNK S
 PLSWIEEKGPGLKRNRHISIHFKSGSLEEV PNVGVNKNIFLKDQDIFIQKLLGQVSAEDLAAEKKRILHC
 LELASDIQRLCHRKQ

TRTRPLE - GFP Tag - V

Restriction Sites:

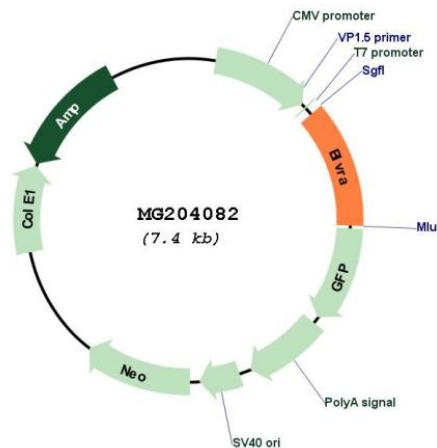
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: BC052146

ORF Size: 887 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:	BC052146 , AAH52146
RefSeq Size:	1384 bp
RefSeq ORF:	887 bp
Locus ID:	109778
Cytogenetics:	2 61.76 cM
Gene Summary:	Reduces the gamma-methene bridge of the open tetrapyrrole, biliverdin IX alpha, to bilirubin with the concomitant oxidation of a NADH or NADPH cofactor.[UniProtKB/Swiss-Prot Function]