OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RR203972

Bicral (NM_001106888) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bicral (NM_001106888) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bicral
Synonyms:	Gltscr1l; RGD1305680
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203972 representing NM_001106888 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGATGATGACGATGACTCCTGTCTCCTCGATCTTATTGGAGACCCACAAGCATTGAACTATTTTCTGC ACGGACCTAGCAGTAAATCGAGCGGCGATGACGTGACGAACGCAGGGTATTCTGCAGCCAATTCTAATTC AATTTTCGCCAACTCCACGAACGCTGACCCTAAGTCATCCCTCAAAGGTGTAAGTAACCAGCTCGGAGAA GGGCCCAGTGACGGGCTGCCGCTTGCAAGCAGCCTTCAGTTTCTTGAAGATGAACTTGAGTCTTCTCCTC TCCCTGATCTCAGTGAGGACCAACCCTTTGACATTCTTCAGAAATCCTTGCAGGAGGCTAATATCACTGA ACAGACGCTGGCAGAAGAGGCATATCTGGATGCCAGTATAGGCTCGAGCCAACAGTTTGCACAAGCCCAG CTTCATCCTTCTTCATCAGCATCCTTTACTCAGGCTTCTAATGTTTCTAATTACTCAGGTCAGACACTGC AGCCTATCGGGGTGACTCACGTGCCTGTCGGAGCATCGTTTGCAAGCAATACAGTGGGTGTACAGCATGG CTTTATGCAACACGTGGGGATCAGTGTTCCCAGCCAGCATTTGCCCAATAGCAGCCAGATCAGTGGCTCC GGTCAGATTCAGTTAATCGGGTCCTTTGGTAATCAGCCTTCCATGATGACTATTAATAACCTAGATGGCT CTCAAATCATATTGAAAGGCAGTGGGCAGCAAGCCCCGTCCAGTGTGAGTGGGGGGCTTCTGGTTCACAG ACAGACTCCTAACGGCAACTCTTTGTTTGGGAACCCCACTTCCAGCCCCGGAGCACAGCCTGTCACCGTC CCATTTAACAGCACAAATTTTCAAGCATCTCTACCTGTGCATAACATCATTATTCAAAGGGGTCTCGCAC CAAATTCAAATAAAGTCCCAATTAATATCCAGCCAAAGCCGATCCAGATGGGTCAGCAGAGTACATACAA TGTGAACAGCCTTGGACTCCAGCAGCACCACGTCCAGCAAGGGATCTCCTTCGCCTCTGCAAGCTCGCCC CAGGGCTCCGTGGTTGGTCCACACATGTCTGTGAACATTGTCAACCAACAGAACGCGAGGAAGCCTGTCA CCTCACAGGCGGTGAGCAGCGCAGGGGGCAGCATTGTTATTCACTCCCCCATGGGCCAGCCTCACACACC CCAAAGTCAGTTCCTTATACCCACAAGCCTTTCTGTCAGCTCCAACTCGGTCCACCATGTCCAGACTATA AATGGGCAACTTGTTCAGACTCAGCCCTCCCAGCTCATCTCTGGCCAAGTGGCCTCAGAGCATGTCATGT TGAATAGGAATTCTTCTAACATGCTCAGGACCAACCAACCATATGCCGGACAGATGCTCAACAACCAGAG TGCCGCTGTCCAGCTGGTGTCTGGGCAGACTTTTGCCACCTCTGGAAGCCCAGTGATCGTCAACCATGCC TCTCCTCAGATCGTGGGAGGACAGATGCCCTTGCAGCAGGCCTCACCAACTGTGCTACACCTGTCGCCTG

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Protein Sequence:

>RR203972 representing NM_001106888
Red=Cloning site Green=Tags(s)

MDDDDDSCLLDLIGDPQALNYFLHGPSSKSSGDDVTNAGYSAANSNSIFANSTNADPKSSLKGVSNQLGE
GPSDGLPLASSLQFLEDELESSPLPDLSEDQPFDILQKSLQEANITEQTLAEEAYLDASIGSSQQFAQAQ
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ASGSNFTGDQLTQANRTPVPVSVSHRLPVSASKSPSTLSSTPGTQQQFFCQAPKKCLNQTAPIPTPIPTS
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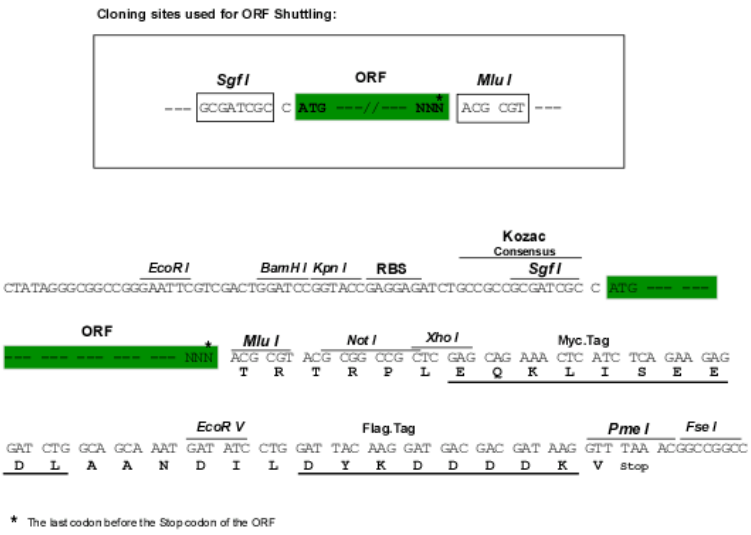
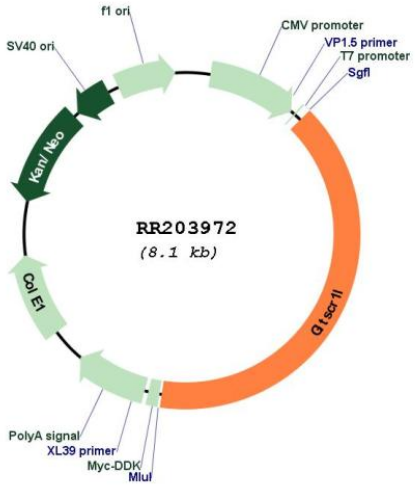
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106888

ORF Size: 3234 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:	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_001106888.1, NP_001100358.1
RefSeq Size:	4494 bp
RefSeq ORF:	3237 bp
Locus ID:	301235
Cytogenetics:	9q12
MW:	114.5 kDa