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Product datasheet for MG220876

Bicral (NM_001100452) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bicral (NM_001100452) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bicral
Synonyms:	Gltscr1l; mKIAA0240
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG220876 representing NM_001100452
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATGATGACGATGACTCCTGTCTCCTCGATCTTATTGGAGACCCACAAGCATTGAACTATTTTCTGC
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TCTCCTCAGATCGTCGGGGGACAGATGCCCTTGCAGCAGGCCTCACCCACCGTGTTACACCTGTCACCTG
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GT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220876 representing NM_001100452
Red=Cloning site Green=Tags(s)

MDDDDDSCLLDLIGDPQALNYFLHGPSSKSGSDDVTNAGYSAANSNSIFANSTNADPKSALKGVSDQLGE
GPSDGLPLASSLQFLEDELESSPLPDLSEDQPFDILQKSLQEANITEQTLAEEAYLDASIGSSQQFAQAQ
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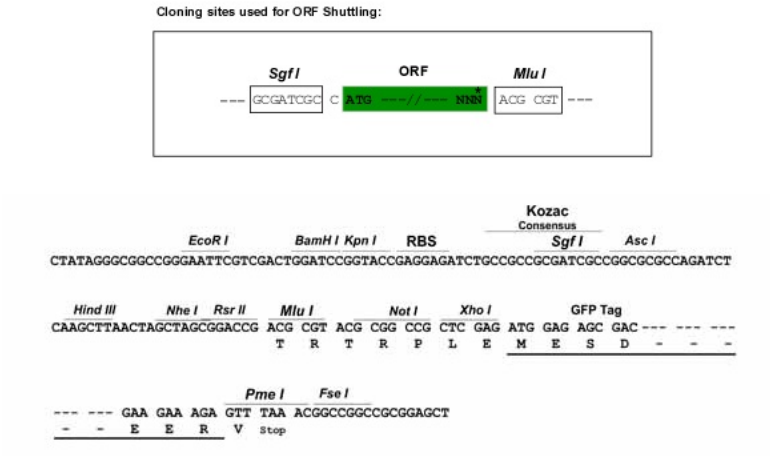
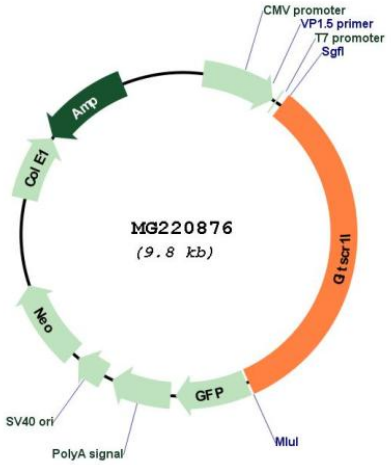
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001100452
ORF Size:	3222 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_001100452.1, NP_001093922.1
RefSeq Size:	6579 bp
RefSeq ORF:	3225 bp
Locus ID:	210982
UniProt ID:	Q8CHH5
Cytogenetics:	17 C
Gene Summary:	Component of SWI/SNF chromatin remodeling subcomplex GBAF that carries out key enzymatic activities, changing chromatin structure by altering DNA-histone contacts within a nucleosome in an ATP-dependent manner.[UniProtKB/Swiss-Prot Function]