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Product datasheet for MG211750

Brip1 (NM_178309) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brip1 (NM_178309) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Brip1
Synonyms:	3110009N10Rik; 8030460J03Rik; BACH; Bach1; FACJ; Fancj; OF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG211750 representing NM_178309
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCTCAGTGTTGTCTGACTACACCATCGGTGGGGTGAAGATCCACTTTCCCTGTAGAGCGTATCCAG
CACAGCTTGCGATGATGAATTCTATTGTCAGAGGACTAAACAGCAGCCAACACTGTTTGCTGGAGAGTCC
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TGCAACTGGATTTGGGCAGAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG211750 representing NM_178309
Red=Cloning site Green=Tags(s)

MSSVLSDYTIGGVKIHFPCRAYPAQLAMMNSIVRGLNSSQHCLLESPTGSGKSLALLCSALAWQQSLSEK
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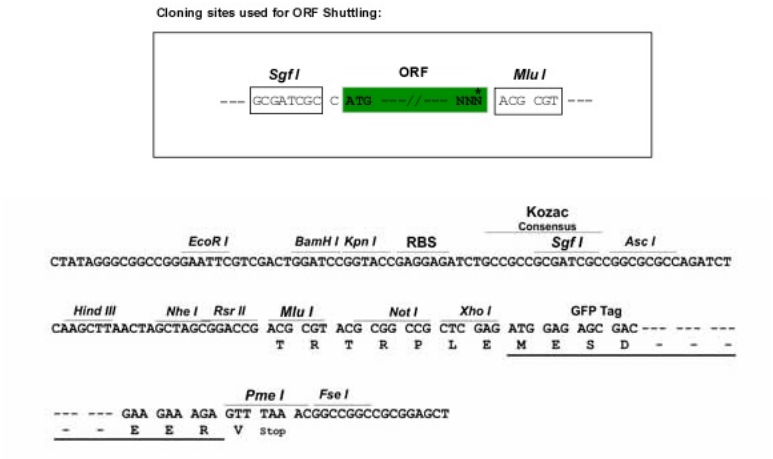
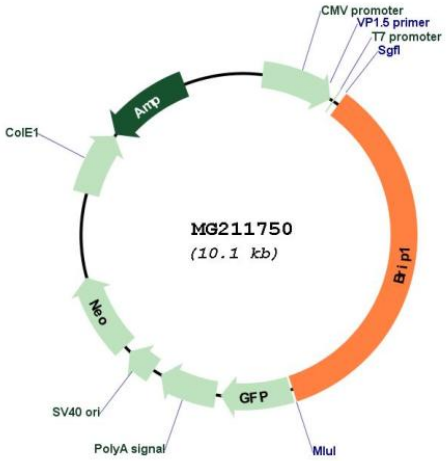
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_178309
ORF Size:	3522 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_178309.2, NP_840094.1
RefSeq Size:	6933 bp
RefSeq ORF:	3525 bp
Locus ID:	237911
UniProt ID:	Q5SXJ3
Cytogenetics:	11 C

Gene Summary: This gene encodes a member of the DEAH subfamily of DEAD box helicases. A similar protein in humans is both a DNA-dependent ATPase and a 5-prime-to-3-prime DNA helicase, and plays a role in the repair of DNA double stranded breaks through interaction with the breast cancer-associated tumor suppressor BRCA1. [provided by RefSeq, Feb 2011]