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Product datasheet for MR221287

Rad51ap2 (NM_001111118) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rad51ap2 (NM_001111118) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rad51ap2
Synonyms:	EG209550
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR221287 representing NM_001111118
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTCTGTCGCGCCCCGCGTGGCCTGCAGGGCCTGCCTGGCCTGTCTCCTCAGAACCGCCTCCTGAGG
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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221287 representing NM_001111118
Red=Cloning site Green=Tags(s)

MSLSRPAWPAGPAWPVSSEPPPEDPAAASPSSKRRRLKEPDGGVSEAGWPLLVVPRLSEVEKVWEWSLRP
FTAFLIPKSPGSSAGGKQSCDLGCRDRTFQAHSCWQSGILGCSRAPRRSCEAGLQDREVQGVRLGDQAEV
SHAPPNSPMPYVQGVKQEPEELPEKETILKEKNSVREPGNPFLDVPFSEETKSALHEIKDRCKVDSVITS
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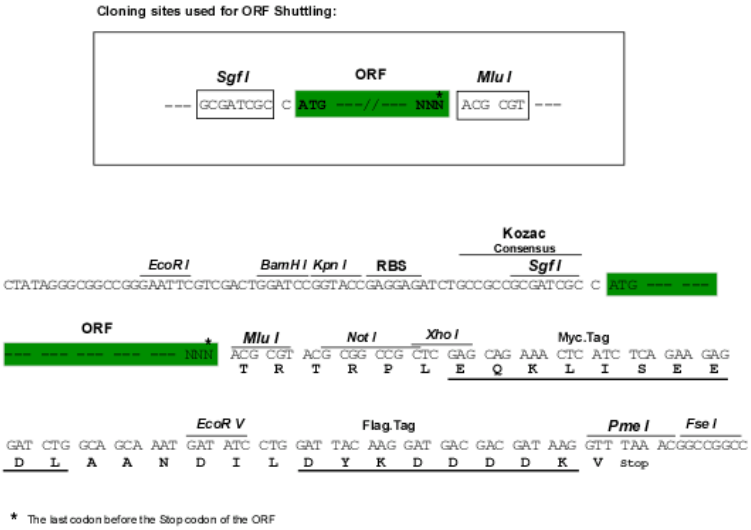
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9097_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001111118

ORF Size: 2928 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_001111118.2

RefSeq Size: 3175 bp

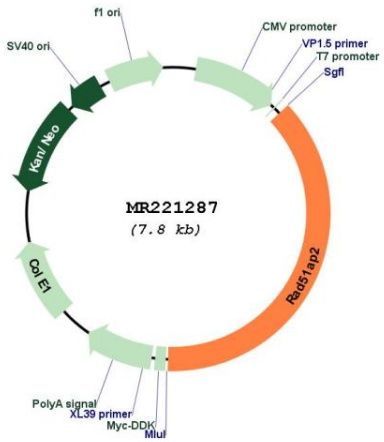
RefSeq ORF: 2931 bp

Locus ID: 209550

Cytogenetics: 12 A1.1

MW: 112.2 kDa

Product images:



Circular map for MR221287