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Product datasheet for MG212191

Ear10 (NM_053112) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Ear10
Synonyms:	Raf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG212191 representing NM_053112
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGTCCAAAGCTGCTTGAGTCCCGAATTTGCCTCCTGCTGCTGCTAGGACTTGTCCTAATGCTTGCCT
CATGCCTGGGACAAACCACTTCCCAGTGGTTTGCCATCCAGCATATCAATAATAATGCCAACCTCCAATG
TAATGTTGAAATGCAGCGTATTAACAGGTTTAGAAGAACATGTAAGGGCTTAAATACTTTTCTTCATACA
AGTTTTGCTAATGCTGTTGGTGTGTGTGGAAATCCAAGTGGCTTGTGCAGTGACAATATAAGTCAAAACT
GTCATAATAGTTCATATCGGGTACATATAACTGTCTGTAACATCACCAGTTGGAGGAGAACACCTTATAC
CCAATGCAGATACCAAGCTAAAAGATCATTGGAGTACTACACAGTTGCCTGTGACCCCAGAACTCCACAG
GACAGTCCCATGTATCCAGTGGTTCCAGTTCACTTGGATGGGACATTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG212191 representing NM_053112
Red=Cloning site Green=Tags(s)

MGPKLLESRICLLLLLGLVLMLASCLGQTTSQWFAIQHINNNANLQCNVEMQRINRFRRTCKGLNTFLHT
SFANAVGVCGNPSGLCSDNISQNCHNSSYRVHITVCNITSWRRTPYTQCRYQAKRSLEYYTVACDPRTPQ
DSPMYPVVPVHLDGTF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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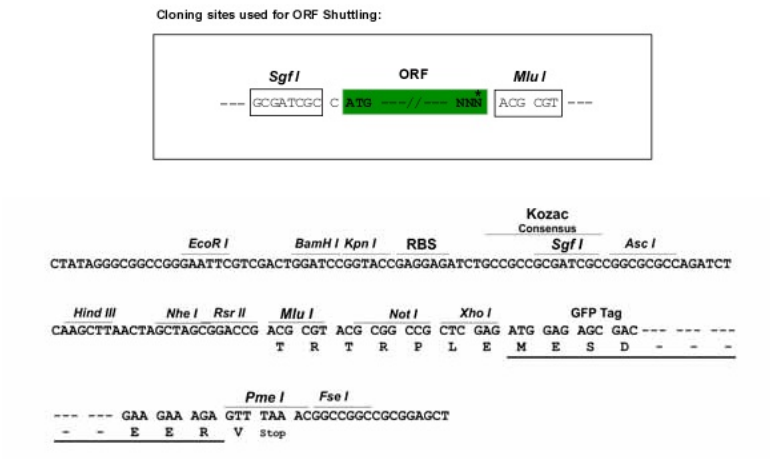
Cloning Scheme:



ACCN: NM_053112

ORF Size: 468 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_053112.2

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RefSeq Size: 471 bp

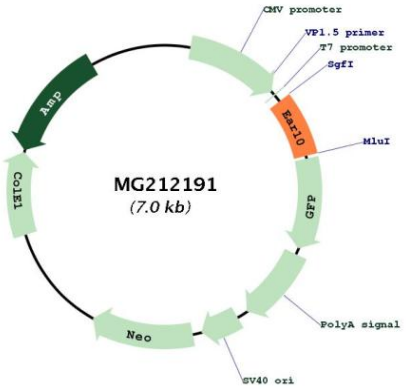
RefSeq ORF: 471 bp

Locus ID: 93725

UniProt ID: Q923L6

Cytogenetics: 14 C1

Product images:



Circular map for MG212191

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