

Product datasheet for RC230078L3

OriGene Technologies, Inc.

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Repulsive Guidance Molecule A (RGMA) (NM 001166289) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Repulsive Guidance Molecule A (RGMA) (NM_001166289) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Repulsive Guidance Molecule A

Synonyms: RGM

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Sgfl-RsrII

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC230078).

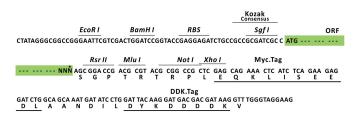
Sequence:

Restriction Sites: Cloning Scheme:

 Cloning sites used for ORF Shuttling:

 Sgf I
 ORF
 Rsr II

 --- GCG ATC GC C
 ATG ---//--- NNN AG C GGA CCG
 --



st The last codon before the Stop codon of the ORF.

ACCN: NM_001166289

ORF Size: 1302 bp





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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: <u>NM 001166289.1</u>, <u>NP 001159761.1</u>

 RefSeq Size:
 3078 bp

 RefSeq ORF:
 1305 bp

 Locus ID:
 56963

 UniProt ID:
 Q96B86

 Cytogenetics:
 15q26.1

MW: 47.5 kDa

Gene Summary: This gene encodes a member of the repulsive guidance molecule family. The encoded protein

is a glycosylphosphatidylinositol-anchored glycoprotein that functions as an axon guidance protein in the developing and adult central nervous system. This protein may also function as a tumor suppressor in some cancers. Alternate splicing results in multiple transcript variants.

[provided by RefSeq, Oct 2009]