

Product datasheet for **RG237716**

Archaemetzincin 2 (AMZ2) (NM_001289054) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Archaemetzincin 2 (AMZ2) (NM_001289054) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AMZ2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237716 representing NM_001289054. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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GTTGGCTTCAGCATTGTAGAAAGATACAAGCACTGGTGGGATTGATGATGAATCTTCTGACACA
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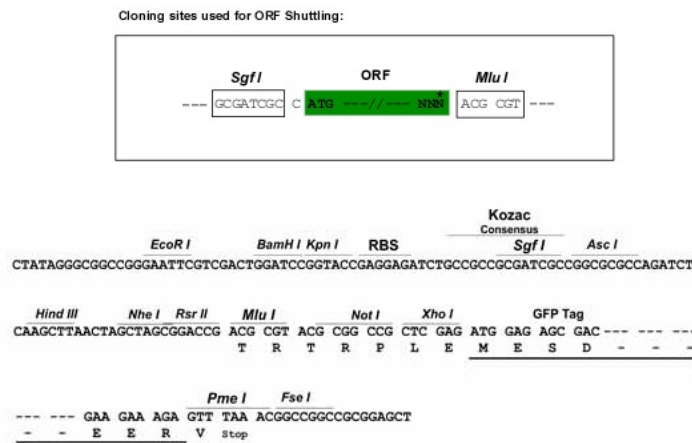
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Protein Sequence: >Peptide sequence encoded by RG237716
 Blue=ORF Red=Cloning site Green=Tag(s)

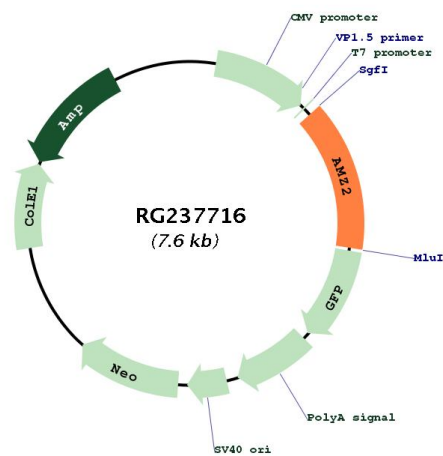
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 DFYSMHYKGVKKLTKTSSSDYSIFDNYIPEITSVLLLRSCKTLTHEIGHIFGLRHCQWLACLMOGNSN
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 SVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001289054
ORF Size:	1080 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).
RefSeq:	NM_001289054.1 , NP_001275983.1
RefSeq Size:	1407 bp
RefSeq ORF:	1083 bp
Locus ID:	51321
UniProt ID:	Q86W34
Cytogenetics:	17q24.2
Protein Families:	Druggable Genome
MW:	41.3 kDa
Gene Summary:	The protein encoded by this gene is a zinc metalloprotease that displays some activity against angiotensin-3. The encoded protein is inhibited by the aminopeptidase inhibitor amastatin, as well as by the general inhibitors o-phenanthroline and batimastat. Defects in this gene may be associated with lung tumorigenesis. [provided by RefSeq, Oct 2016]