

Product datasheet for **RG240148**

AIP1 (MAGI2) (NM_001301128) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AIP1 (MAGI2) (NM_001301128) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AIP1
Synonyms:	ACVRIP1; AIP-1; AIP1; ARIP1; MAGI-2; NPHS15; SSCAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240148 representing NM_001301128. Blue=ORF Red=Cloning site Green=Tag(s)

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Protein Sequence: >Peptide sequence encoded by RG240148
 Blue=ORF Red=Cloning site Green=Tag(s)

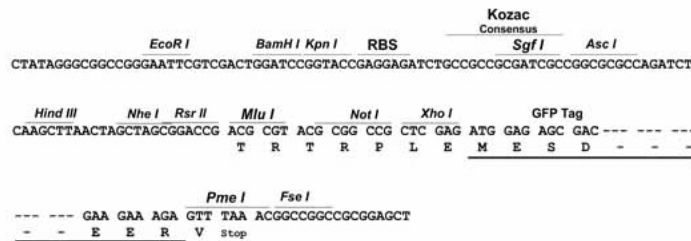
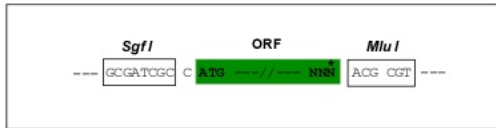
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Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:

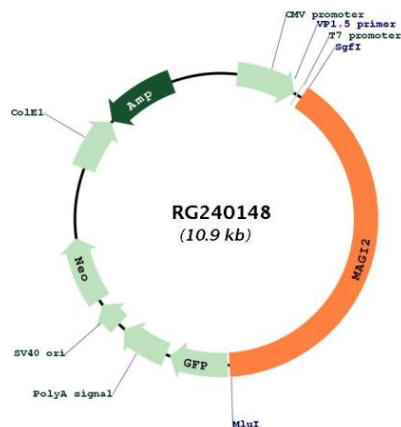


ACCN: NM_001301128

ORF Size: 4323 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_001301128.2
RefSeq Size:	6845 bp
RefSeq ORF:	4326 bp
Locus ID:	9863
UniProt ID:	Q86UL8
Cytogenetics:	7q21.11
Protein Families:	Druggable Genome
Protein Pathways:	Tight junction
MW:	157.7 kDa
Gene Summary:	The protein encoded by this gene interacts with atrophin-1. Atrophin-1 contains a polyglutamine repeat, expansion of which is responsible for dentatorubral and pallidolusian atrophy. This encoded protein is characterized by two WW domains, a guanylate kinase-like domain, and multiple PDZ domains. It has structural similarity to the membrane-associated guanylate kinase homologue (MAGUK) family. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG240148