

Product datasheet for **SC338042**

AIP1 (MAGI2) (NM_001301128) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AIP1 (MAGI2) (NM_001301128) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGI2
Synonyms:	ACVRIP1; AIP-1; AIP1; ARIP1; MAGI-2; NPHS15; SSCAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001301128, the custom clone sequence may differ by one or more nucleotides

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ATGTCCAAAAGCTTGAAAAAGAAAAGCCACTGGACTAGCAAAGTCCATGAGAGTGCATTGGCAGGAACC  
CGGAGGGCCAGCTGGGCTTTGAACTGAAGGGGGGCGCCGAGAATGGACAGTTCCTACCTGGGGGAGGT  
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GGTCAATGGAAGACACAACATGAAACATATTTGGAGTACATTTCTCGGACCTCACAGTCAGTTCAGAT
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GGCCCGGACCCCGGGGGCGCCCGGCGCAAGGCCGCGCTGCGCCGGGGCCCTGGAAGGTGCCGG
GTTCTGACAAGCTGCCAGCGTCTCAAACCCGGCGCTCGGCCGCCAGCAGATGA
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001301128
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001301128.1](#), [NP_001288057.1](#)

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

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]
Transcript Variant: This variant (2) lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.