

Product datasheet for SC116459

APEG1 (SPEG) (NM_005876) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APEG1 (SPEG) (NM_005876) Human Untagged Clone
Tag:	Tag Free
Symbol:	SPEG
Synonyms:	APEG-1; APEG1; BPEG; CNM5; MYLK6; SPEGalpha; SPEGbeta
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005876, the custom clone sequence may differ by one or more nucleotides

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005876 unedited
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005876 unedited
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Restriction Sites:

NotI-NotI

ACCN:

NM_005876

Insert Size:	1870 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
RefSeq:	NM_005876.3 , NP_005867.2
RefSeq Size:	10650 bp
RefSeq ORF:	10650 bp
Locus ID:	10290
UniProt ID:	Q15772
Domains:	ig, IGc2, IG
Gene Summary:	<p>This gene encodes a protein with similarity to members of the myosin light chain kinase family. This protein family is required for myocyte cytoskeletal development. Along with the desmin gene, expression of this gene may be controlled by the desmin locus control region. Mutations in this gene are associated with centronuclear myopathy 5. [provided by RefSeq, Jun 2016]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and it encodes the longer protein (isoform 1). This variant corresponds to the mouse SPEGbeta variant described in PubMed ID: 10973969.</p>