

Product datasheet for **SC335533**

SGK196 (POMK) (NM_001277971) Human Untagged Clone

Product data:

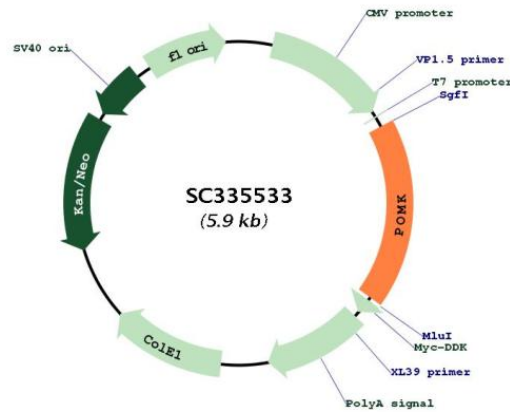
Product Type: Expression Plasmids
Product Name: SGK196 (POMK) (NM_001277971) Human Untagged Clone
Tag: Tag Free
Symbol: POMK
Synonyms: MDDGA12; MDDGC12; SGK196
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC335533 representing NM_001277971.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAAAAGCAGCCCAGAACAGCAGGAGAGGCCCTCGCCCCGAGAGGTGCCGCCAGCTGTTGGGCTG
CTGCTGATCATGGCCCTGATGAATACTCTGCTCTACCTCTGCCTCGACCACTTCTTCATCGCTCCTCGA
CAATCCACTGTGGACCCACACACTGTCCCTATGGTCACTTCAGGATAGGACAGATGAAAACTGCTCA
CCTTGGCTGTCTGCGAGGAGCTGAGAACAGAAGTGAGACAGCTGAAGCGTGTGGGGAAGGAGCTGTA
AAGAGAGTCTTTCTGTCTGAGTGAAGGAGCACAAAGTTGCACTCTCACAGCTCACCAGCCTGGAGATG
AAAGATGATTTCTCCATGGACTGCAGATGCTGAAATCTCTCCAAGGCACACATGTTGTCAGCTGCTT
GGCTATTGTGAGGATGACAACACTATGCTTACTGAATATCACCTCTAGGTTCTTGAGTAACCTGGAA
GAAACTAAACCTTTCAAAGTACCAAAATGTGAACACGTGGCAGCACAGGCTGGAGCTGGCCATGGAC
TATGTCAGCATCATTAATTACCTGCACCACAGCCCTGTGGGCACACGGGTCATGTGCGACTCCAACGAC
CTGCCGAAGACTGTCCAGTATCTGTAACAAGCAACTTCAGCATTTTGGCAAATGACTTGGACGCC
TTACCCCTGGTGAACCACAGCTCCGGGATGCTGGTGAAGTGCGGCCACAGGGAGCTGCATGGGGATTTT
GTGGCTCCAGAGCAACTGTGGCCCTATGGAGAGGACGTGCCTTCCACGATGATCTCATGCCCTCATAT
GATGAGAAGATTGACATTTGGAAGATCCCAGACATCTCCAGTTTCTTCTGGGGCACATTGAAGGGAGT
GATATGGTCCGATTCCATTTGTTTGATATTCACAAAGCATGCAAGAGCCAGACTCCCTCAGAAAGACCC
ACTGCCAGGACGTTCTGGAGACCTACCAGAAGTCTTGGATACACTTAGAGATGCCATGATGTCTCAG
GCAAGAGAGATGCTGTGA
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Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_001277971

Insert Size: 1053 bp

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_001277971.1](#)

RefSeq Size: 1527 bp

RefSeq ORF:	1053 bp
Locus ID:	84197
UniProt ID:	<u>Q9H5K3</u>
Cytogenetics:	8p11.21
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
MW:	40 kDa
Gene Summary:	<p>This gene encodes a protein that may be involved in the presentation of the laminin-binding O-linked carbohydrate chain of alpha-dystroglycan (a-DG), which forms transmembrane linkages between the extracellular matrix and the exoskeleton. Some pathogens use this O-linked carbohydrate unit for host entry. Loss of function compound heterozygous mutations in this gene were found in a human patient affected by the Walker-Warburg syndrome (WWS) phenotype. Mice lacking this gene contain misplaced neurons (heterotopia) in some regions of the brain, possibly from defects in neuronal migration. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.</p>