

Product datasheet for **SC105614**

SGK196 (POMK) (NM_032237) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SGK196 (POMK) (NM_032237) Human Untagged Clone
Tag:	Tag Free
Symbol:	SGK196
Synonyms:	MDDGA12; MDDGC12; SGK196
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_032237 edited
ATGGAAAAGCAGCCCCAGAACAGCAGGAGAGGCCTCGCCCCCGAGAGGTGCCGCCAGCT
GTTGGGCTGCTGCTGATCATGGCCCTGATGAATACTCTGCTCTACCTCTGCCTCGACCAC
TTCTTCATCGCTCCTCGACAATCCACTGTGGACCCACACACTGTCCCTATGGTCACTTC
AGGATAGGACAGATGAAAACTGCTCACCTTGGCTGTCTGCGAGGAGCTGAGAACAGAA
GTGAGACAGCTGAAGCGTGTGGGGAAGGAGCTGTAAAGAGAGTCTTTCTGTCTGAGTGG
AAGGAGCACAAAGTTGCACTCTCACAGCTCACCAGCCTGGAGATGAAAGATGATTCCTC
CATGGACTGCAGATGCTGAAATCTCTCCAAGGCACACATGTTGTCACGCTGCTTGGCTAT
TGTGAGGATGACAACACTATGCTTACTGAATATCACCTCTAGGTTCTTGTGAGTAACCTG
GAAGAAACACTAAACCTTCAAAGTACCAAAATGTGAACACGTGGCAGCACAGGCTGGAG
CTGGCCATGGACTATGTCAGCATCATTAAATTACCTGCACCACAGCCCTGTGGGCACACGG
GTCATGTGCGACTCCAACGACCTGCCGAAGACACTGTCCCAAGTATCTGCTAACAAGCAAC
TTCAGCATTTTGGCAAATGACTTGGACGCCTTACCCCTGGTGAACCACAGCTCCGGGATG
CTGGTGAAGTGGCCACAGGGAGCTGCATGGGGATTTCTGTGGCTCCAGAGCAACTGTGG
CCCTATGGAGAGGACGTGCCCTTCCACGATGATCTCATGCCCTCATATGATGAGAAGATT
GACATTTGGAAGATCCCAGACATCTCCAGTTTCTTCTGGGGCACATTGAAGGGAGTGAT
ATGGTCCGATTCATTTGTTTATTCACAAAGCATGCAAGAGCCAGACTCCCTCAGAA
AGACCCACTGCCAGGACGTTCTGGAGACCTACCAGAAGGTCTTGGATACACTTAGAGAT
GCCATGATGTCTCAGGCAAGAGAGATGCTGTGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_032237 unedited GGCGGAAACCCAATTCGCACCAGGGTGGCAGGAGCCGACAGAGGCTTGGGCTGCAGAAAA GATCCTGTTTGTGTGTAATCCTGAGAATGGACTGCAAGAGAGGAAAACTGGGCGTCTG CTTGGGAATCTATTGTGGAAACCCAGGGTGTTCCTCCGACCAGTCCCTGGGCGCAACTAG AGTATTGTACTGACCAGGTACCTGGATGGAGACCTGAGCTGGAGAAGGAGATGCGCTTGG GAGGAAATTGCAGAGGCCGTCAACATGGAAAAGCAGCCCCAGAACAGCAGGAGAGGCCTC GCCCCCGAGAGAGTCCGCCAGCTGTTGGGCTGCTGCTGATCATGGCCCTGATGAATACT CTGCTCTACCTCTGCCTCGACCACTTCTTCATCGCTCCTCGACAATCCACTGTGGACCCC ACACACTGTCCCTATGGTCACTTCATGATAGGACAGATGAAAACTGCTCACCTTGGCTG TCCTGCGAGGAGCTGAGAACAGAAGTGAGACAGCTGAAGCGTGTGGGGAAGGAGCTGTA AAGAGAGTCTTTCTGTCTGAGTGAATGAGCACAAAGTTGCACTCTCACAGCTCACCAGC CTGGAGATGAAAGATGATTTCTCCATGGACTGCAGATGCTGAAATCTCTCAAGGCACA CATGTTGTACGCTGCTTGGCTATTGTGNAGGATGACACACTATGCTTACTGAATATCAC CCTCTGAGTTCCTTGAGTAACCTGGAAGTAACACTAAACCTCTCAAAGTACCAAAATGTG AACACGTGGCAGCACAGGCTGGAGCTGGCCATGGACTATGTCAGCATCATTAACTCTGC ACACAGCCCCTGTGGCACACGGGTCATGTGCGAC
Restriction Sites:	Please inquire
ACCN:	NM_032237
Insert Size:	4500 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:	<ol style="list-style-type: none"> 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_032237.2 , NP_115613.1
RefSeq Size:	1612 bp
RefSeq ORF:	1053 bp
Locus ID:	84197
UniProt ID:	Q9H5K3
Cytogenetics:	8p11.21
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane

Gene Summary:

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]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.