OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR225801

Sgk1 (NM_001161849) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sgk1 (NM_001161849) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sgk1
Synonyms:	Sg; Sgk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR225801 representing NM_001161849 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAAGAGGAGACCTTAAGATCCCCTTGGAAAGCTTTTATGAAACAGAGAAGGATGGGCCTGAACGATT TTATTCAGAAGATTGCCAGCAACACCTATGCATGCAAACACGCTGAAGTTCAGTCCATTTTGAAAATGTC CCATCCTCAGGAGCCGGAGCTTATGAACGCTAACCCCTCTCCTCCGCCAAGTCCCTCTCAACAAATCAAC CTGGGTCCGTCCTCCAACCCTCACGCCAAACCCTCCGACTTTCACTTCTTGAAAGTGATCGGAAAGGGCA GTTTTGGAAAGGTTCTTCTGGCTAGGCACAAGGCAGAAGAAGTATTCTATGCAGTCAAAGTTTTACAGAA GAAAGCCATCCTGAAGAAGAAAGAGGAGAAGCATATTATGTCAGAGCGGAATGTTCTGTTGAAGAATGTG AAGCACCCTTTCCTGGTGGGCCTTCACTTCTCATTCCAGACCGCTGACAAGCTCTACTTTGTCCTGGACT ACATTAATGGTGGAGAGCTGTTCTACCATCTCCAGAGGGAGCGCTGCTTCCTGGAACCACGGGCTCGATT CTACGCAGCTGAAATAGCCAGTGCCCTGGGCTATCTGCACTCCCTAAACATCGTTTATAGAGACTTAAAA CCTGAGAATATTCTCCTAGACTCCCAGGGGCACATCGTCCTCACTGACTTTGGGCTCTGCAAAGAGAATA TTGAGCATAACGGGACAACATCTACCTTCTGTGGCACGCCTGAGTATCTGGCTCCTGAGGTCCTCCATAA GCAGCCGTATGACCGGACGGTGGACTGGTGGTGTCTTGGGGCTGTCCTGTATGAGATGCTCTACGGCCTG CCCCCGTTTTATAGCCGGAACACGGCTGAGATGTACGACAATATTCTGAACAAGCCTCTCCAGTTGAAAC CAAATATTACAAACTCGGCAAGGCACCTCCTGGAAGGCCTCCTGCAGAAGGACCGGACCAAGAGGCTGGG TGCCAAGGATGACTTTATGGAGATTAAGAGTCATATTTTCTTCTCTTTAATTAACTGGGATGATCTCATC AATAAGAAGATTACACCCCCATTTAACCCAAATGTGAGTGGGCCCAGTGACCTTCGGCACTTCGATCCCG AGTTTACCGAGGAGCCGGTCCCCAGCTCCATCGGCAGGTCCCCTGACAGCATCCTTGTCACGGCCAGTGT GAAGGAAGCAGCAGAAGCCTTCCTCGGCTTCTCCTATGCACCTCCTGTGGATTCCTTCCTC ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

Protein Sequence:

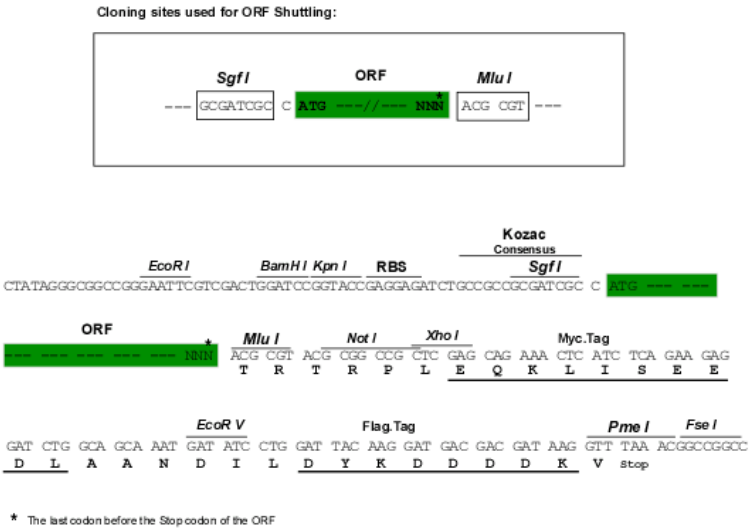
>MR225801 representing NM_001161849
Red=Cloning site Green=Tags(s)

MKEETLRSPWKAFMKQRRMGLNDFIQKIASNTYACKHAEVQSILKMSHPQEPELMNANPSPPPSPSQQIN
LGPSSNPHAKPSDFHFLKVIGKGSFGKVLLARHKAEEVFYAVKVLQKKAILKKKEEKHIMSERNVLLKNV
KHPFLVGLHFSFQTADKLYFVLDYINGGELFYHLQRERCFLEPRARFYAAEIASALGYLHSLNIVYRDLK
PENILLDSQGHIVLTDFGLCKENIEHNGTTSTFCGTPEYLAPEVLHKQPYDRTVDWWCLGAVLYEMLYGL
PPFYSRNTAEMYDNILNKPLQLKPNITNSARHLLEGLLQKDRTKRLGAKDDFMEIKSHIFFSLINWDDLI
NKKITPPFNPNVSGPSDLRHFDPEFTEEPVPSSIGRSPDSILVTASVKEAAEAFLGFSYAPPVDSFL

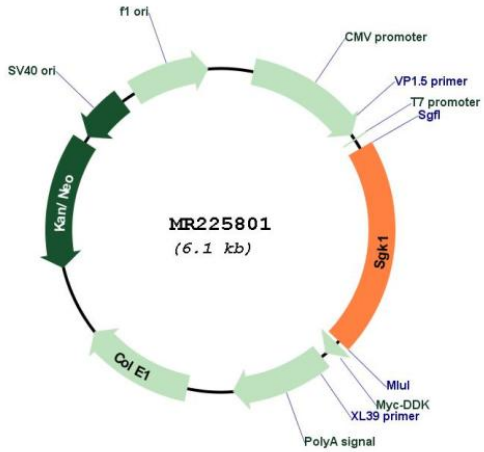
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001161849

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

ORF Size:	1251 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).
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_001161849.2, NP_001155321.1
RefSeq Size:	2496 bp
RefSeq ORF:	1254 bp
Locus ID:	20393
UniProt ID:	Q9WVC6
Cytogenetics:	10 A3
MW:	48 kDa
Gene Summary:	This gene encodes a serine/threonine protein kinase that plays an important role in cellular stress response. This kinase activates certain potassium, sodium, and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. This enzyme is activated by protein phosphorylation and degraded via the ubiquitination and proteasome pathway. Multiple transcript variants encoding different isoforms have been found for this gene. A pseudogene of this gene was identified on chromosome 12. [provided by RefSeq, Sep 2009]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US