

Product datasheet for **RG232859**

SGK3 (C8orf44-SGK3) (NM_001204173) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SGK3 (C8orf44-SGK3) (NM_001204173) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C8orf44-SGK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG232859 representing NM_001204173
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAAAGAGATCACACCATGGACTACAAGGAAAGCTGCCCAAGTGAAGCATTCCAGCTCCGATGAAC
 ACAGAGAGAAAAAGAAGAGGTTTACTGTTTATAAAGTTCTGGTTTCAGTGGGAAGAAGTGAATGGTTTGT
 CTTCAGGAGATATGCAGAGTTTGATAAACTTTATAACACTTTAAAAAACAGTTTCTGCTATGGCCCTG
 AAGATTCTGCCAAGAGAATATTTGGTGATAATTTTATCCAGATTTTATAAACAAAGACGAGCAGGAC
 TAAACGAATTCATTACAGAACCTAGTTAGGTATCCAGAATTTATAACCATCCAGATGTCAGAGCATTCT
 TCAATGGACAGTCCAAAACACCACTCAGATCCATCTGAAGATGAGGATGAAAGAAGTTCTCAGAAGCTA
 CACTCTACCTCACAGAACATCAACCTGGGACCGTCTGAAATCCTCATGCCAAACCACTGACTTTGATT
 TCTTAAAAGTTATTGGAAAAGGCAGCTTTGGCAAGTTCTTCTTGCAAAACGAAACTGGATGGAAAATT
 TTATGCTGTCAAAGTGTACAGAAAAAATAGTTCTCAACAGAAAAGAGCAAAAACATATTATGGCTGAA
 CGTAATGTGCTCTTGAAAATGTGAAACATCCGTTTTTGGTTGGATTGCATTATTCCTTCCAAACAACCTG
 AAAAGCTTTATTTGTTCTGGATTTTGTAAATGGAGGGGAGCTTTTTTCCACTTACAAAGAGAACGGTC
 CTTTCTGAGCACAGAGCTAGGTTTTACGCTGCTGAAATTGCTAGTGCATTGGGTTACTTACATTCCATC
 AAAATAGTATACAGAGACTTGAAACCAGAAAATATTCTTTGGATTACAGTAGGACATGTTGTCTTAACAG
 ATTTTGGGCTTTGTAAAGAAGGAATTGCTATTTCTGACACCACTACCACATTTTGTGGGACACCAGAGTA
 TCTTGCACCTGAAGTAATTAGAAAACAGCCCTATGACAATACTGTAGATTGGTGGTGCCTTGGGGCTGTT
 CTGTATGAAATGCTGTATGGATTGCCTCCTTTTTATTGCCGAGATGTTGCTGAAATGTATGACAATCC
 TTCACAAACCCCTAAGTTTGAGGCCAGGAGTGAGTCTTACAGCCTGGTCCATTCTGGAAGAACCTCTAGA
 AAAAGACAGGCAAAATCGACTTGGTGCCAAAGAAAGACTTCTTGAAATTCAGAATCATCCTTTTTTTGAA
 TCACTCAGCTGGGCTGACCTGTACAAAAGAAAGATTCCACCACCTTTAATCCTAATGTGCTGGACCAG
 ATGATATCAGAACTTTGACACAGCATTACAGAAGAAACAGTTCATATTCTGTGTGTATCTTCTGA
 CTATTCTATAGTGAATGCCAGTGTATTGGAGGCAGATGATGCATTCGTTGGTTTCTCTTATGCACCTCT
 TCAGAAGACTTATTTTTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG232859 representing NM_001204173
 Red=Cloning site Green=Tags(s)

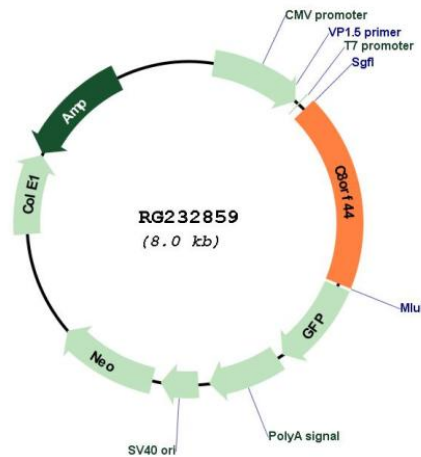
MQRDHTMDYKESCPVSVSIPSSDEHREKKRFTVYKVLVSVGRSEWVFRRYAEFDKLYNTLKKQFPAMAL
 KIPAKRIFGDNFDPDFIKQRRAGLNEFIQNLVRYPELYNHPDVRAFLQMDSPKHQSDPSEDEDERSSQKL
 HSTSQNINLGPSSGNPHAKPTDFDFLKVIGKGSFGKVLAKRKLKGKLYAVKVLQKKIVLNRKEQKHIMAE
 RNVLLKNVKHPFLVGLHYSFQTTEKLYFVLDVNGGELFFHLQRERSFPEHRARFYAAEIASALGYLHSI
 KIVYRDLPENILLDSVGHVVL TDFGLCKEGIAISDTTTF CGTPEYLAPEVIRKQPYDNTVDWVCLGAV
 LYEMLYGLPPFYCRDVAEMYDNILHKPLSLRPGVSLTAWSI EELLEKDRQNLGAKEDFLEIQNHPPFE
 SLSWADLVQKKIPPPFNPVAGPDDIRNFDATFEETVPYSVCVSSDYSIYNASVLEADDAFVFGSYAPP
 SEDLFL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001204173

ORF Size: 1488 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_001204173.2](#)

RefSeq Size: 4563 bp

RefSeq ORF: 1491 bp

Locus ID: 100533105

UniProt ID: [Q96BR1](#)

Cytogenetics: 8q13.1

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring putative uncharacterized protein C8orf44 (GeneID 56260) and serine/threonine-protein kinase Sgk3 (GeneID 23678) genes on chromosome 8. The read-through transcript produces a protein that shares sequence identity with the downstream gene product. [provided by RefSeq, Feb 2011]