

## Product datasheet for **SC329502**

### **SGK2 (NM\_001199264) Human Untagged Clone**

#### Product data:

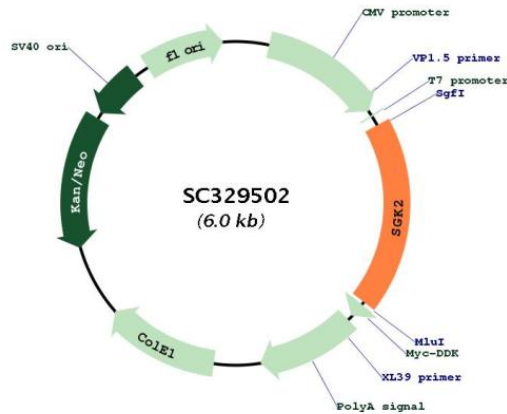
**Product Type:** Expression Plasmids  
**Product Name:** SGK2 (NM\_001199264) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SGK2  
**Synonyms:** dj138B7.2; H-SGK2  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329502 representing NM\_001199264.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGAACTCTAGCCAGCTGGGACCCCAAGTCCACAGCCCTCCAGGGCCAATGGGAACATCAACCTGGGG
CCTTCAGCCAACCCAAATGCCAGCCACGGACTTCGACTTCCTCAAAGTCATCGGCAAAGGGAACACTAC
GGGAAGGTCTACTGGCCAAGCGCAAGTCTGATGGGGCCTTCTATGCAGTGAAGTACTACAGAAAAAG
TCCATCTTAAAGAAGAAAGAGCAGAGCCACATCATGGCAGAGCGCAGTGTGCTTCTGAAGAACGTGCGG
CACCCCTTCTCGTGGGCTGCGTACTCTCCAGACACCTGAGAAGCTCTACTTCGTGCTCGACTAT
GTCAACGGGGGAGAGCTTCTTCCACCTGCAGCGGGAGCGCGGTTCTGGAGCCCGGGCCAGGTTC
TACGCTGCTGAGGTGGCCAGCGCATTGGCTACCTGCACCTCCCTCAACATCATTTACAGGGATCTGAAA
CCAGAGAACATTCTTTGGACTGCCAGGGACACGTGGTGCTGACGGATTTTGGCCTCTGCAAGGAAGGT
GTAGAGCCTGAAGACACCACATCCACATTCTGTGGTACCCCTGAGTACTTGGCACCTGAAGTGCTTCGG
AAAGAGCCTTATGATCGAGCAGTGGACTGGTGGTCTTGGGGCAGTCCCTACGAGATGCTCCATGGC
CTGCCGCCCTTACAGCCAAGATGTATCCAGATGTATGAGAACATTCTGCACCAGCCGCTACAGATC
CCCGGAGCGCGGACAGTGGCCGCTGTGACCTCTGCAAAGCCTTCTCCACAAGGACCAGAGGCAGCGG
CTGGGCTCCAAAGCAGACTTTCTTGAGATTAAGAACCATGTATTCTTACAGCCCCATAAAGTGGGATGAC
CTGTACCACAAGAGGCTAACTCCACCTTCAACCCAAATGTGACAGGACCTGCTGACTTGAAGCATTCTT
GACCCAGAGTTCACCCAGGAAGCTGTGTCCAAGTCCATTGGCTGTACCCCTGACACTGTGGCCAGCAGC
TCTGGGGCTCAAGTGCATTCTGGGATTTCTTATGCGCCAGAGGATGATGACATCTTGATTGCTAG
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001199264

**Insert Size:** 1104 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\\_001199264.1](#)

**RefSeq Size:** 1942 bp

RefSeq ORF: 1104 bp

Locus ID: 10110

UniProt ID: [Q9HBY8](#)

Cytogenetics: 20q13.12

Protein Families: Druggable Genome, Protein Kinase

MW: 41.2 kDa

**Gene Summary:** This gene encodes a serine/threonine protein kinase. Although this gene product is similar to serum- and glucocorticoid-induced protein kinase (SGK), this gene is not induced by serum or glucocorticoids. This gene is induced in response to signals that activate phosphatidylinositol 3-kinase, which is also true for SGK. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2010]  
Transcript Variant: This variant (3) contains an alternate in-frame exon in the 5' coding region, compared to variant 2. Variants 1 and 3 encode the same isoform.