

Product datasheet for **RG225522**

SBK2 (NM_001101401) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: SBK2 (NM_001101401) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: SBK2
 Synonyms: SGK069
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG225522 representing NM_001101401
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCGCAAACAGTCTGAGGAAGGGCCGGGAGGCAGGGCTTCGGAGGACAGCGAGGAGGGGTC
 TGGGCGGCTGACATTAGAGGAGCTCCAGCAGGGCCAGGAGGCTGCCCGCGCTGGAGGACATGATGAC
 GCTGAGTGCTCAGACCTGGTCCGAGCCGAGGTGGACGAGCTCTACGAGGAAGTGCCTCCCTGGCCAG
 GGTGCTATGGCCGCTCCTTCTGGTCACCCATCGTCAGAAAGGCACACCCTGGCACTGAAGCAGCTCC
 CGAAACCCCGCAGTCCCTCCGTGGCTTCTGTACGAGTTCTGTGTGGGCTCTCGCTGGGCGGCACTC
 AGCCATCGTGACGGCCTACGGCATTGGCATCGAGTCGGCACACTCCTACAGCTTCCCTGACGAGCCCGTC
 CTGCACGGGGACCTCATGGCCTTCCAGCCCAAGGTGGGCTCCCGCAGCCCGCGGTGCACCGCTGCG
 CCGCCAGCTGGCCTCCGCCCTGGAGTACATCCAGCCCGCGGCTGGTGTACGGGACCTGAAGCCGGA
 GAACGTCTGGTGTGCGACCCGGCCTGCCGGCGCTTCAAGCTGACCGACTTCGGCCACACGAGGCTCGC
 GGGACGCTGTGCGCCTGGCCGGCCGCCATCCCCTACACGGCCCCGAGCTCTGCGGCCCGCCGCGC
 TCCCCGAGGGCTGCCATTACGCCCGCCTGGACGCTGGGCGCTGGGCGTCTGCTCTTCTGCCTCT
 CACGGGCTACTTCCCCTGGGACCGGCCCTGGCCGAGGCCGACCCCTTCTACGAGGACTTCTCATCTGG
 CAGGCGTCGGGCCAGCCCGGGACCGCCCTCAGCCCTGGTTCGGCCTGGCCCCCGCGGACGCGCTTC
 TCGGGGGCTGCTGGACCTCACCCCGAAGGAGGAGCGCTGTGATCGCCATCAGGGAGCACCTGGGGCG
 CCCTGGAGGCAGCGGGAGGGCGAGGCGGAGGCAGTGGGAGCGGTGGAAGAGGAGGCTGGGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225522 representing NM_001101401
Red=Cloning site Green=Tags(s)

MPGKQSEEGPAEAGASEDSEEEGLGGLTLEELQQGQEAARALEDMMTL SAQTLVRAEVDELYEEVRPLGQ
 GRYGRVLLVTHRQKGTPLALKQLPKPRTSLRGFLYEFVGLSLGAHSAIVTAYGIGIESAHSYSFLTEPV
 LHGDLMAFIQPKVGLPQPAVHRCQAQLASALEYIHARGLVYRDLKPENLVCDPACRRFKLDFGHTRPR
 GTLLRLAGPPIPYTAPELCAPPPLPEGLPIQPALDAWALGVLLFCLLTGYFPWDRPLAEADPFYEDFLIW
 QASGQPRDRPQWFG LAPAADALLRGLLDPHPRRS AVIAIREHLGRPWRQREGEAEAVGAVEEEAGQ

TRTRPLE - GFP Tag - V

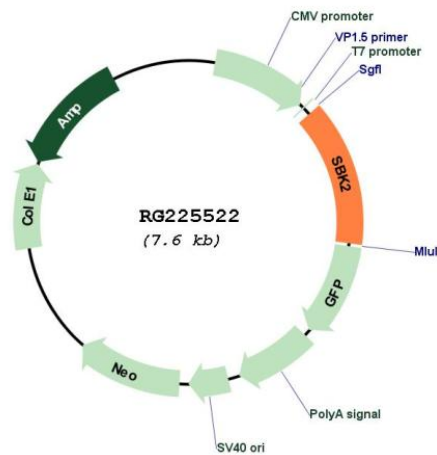
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001101401

ORF Size: 1044 bp

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|-------------------------------|---|
| 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: | <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_001101401.1 , NP_001094871.1 |
| RefSeq Size: | 1047 bp |
| RefSeq ORF: | 1047 bp |
| Locus ID: | 646643 |
| Cytogenetics: | 19q13.42 |
| Protein Families: | Protein Kinase |