

## Product datasheet for **RC230027**

### RSKR (NM\_001174103) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RSKR (NM_001174103) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RSKR
Synonyms:	SGK494
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC230027 representing NM_001174103 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGCAGTAAGCTGTCGGCAGGGGCAGCACACCCAGCAGGGGGAACACACCCGGGTGGCTGTCCCTC  
ACAAGCAGGGTGGCAACATCCGGGGTCCCTGGGCCGAGGCTGGAAGAGCCTCTGGACAGGTTTGGGAAC  
CATCAGGTCAGATCTGGAAGAACTCTGGAACTACGGGGGCACCACTATCTGCACCAGGAATCCCTAAAG  
CCAGCCCCAGTACTGGTAGAGAAGCCTCTGCCAGAGTGGCCAGTGCCTCAGTTCATCAACCTCTTTCTAC  
CAGAGTTTCCATTAGGCCCATTAGGGGCGAGCAGCAGCTGAAGATTTTAGGCCTCGTGGCTAAAGGCTC  
CTTTGGAAGTGTCTCAAGGTGCTAGATTGCACCCAGAAAGCTGTATTTGCAAGTGAAGGTGGTGCCTAAG  
GTAAGGTCCTACAGAGGGATACCGTGAGGCAGTGCAAAGAGGAGGTTAGCATCCAGCGACAGATCAACC  
ATCCCTTTGTACACAGCTTGGGGGACAGCTGGCAGGGAAAACGGCACCTTTTCATTATGTGTAGCTACTG  
CAGCACAGATCTGTACTCCCTTTGGTCGGCTGTTGGCTGCTTTCCTGAGGCTTCCATCCGCTCTTTGCT  
GCCGAGTTGGTGTGTTACTGTGTTATCTCCATGACTTGGGCATCATGCATCGAGATGTGAAGATGGAGA  
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AGCTCAAGCCTACACTATCTGTGGCACTTTCAGTACATGGCCCCAGAGGTCCTAAGTGGAGGACCTTAC  
AACCATGCTGCTGATTGGTGGTCCCTGGGTGCTTGTCTTTCTCTCTGGCGACTGGAAAGTTTCCAGTGG  
CTGCAGAGAGAGATCATGTGGCCATGTTGGCAAGTGTGACCCACAGTACTGAGATCCAGCTTCTCTCT  
TAACCAGGGCCTCTCACTCCTGCTCCATGAGCTTATGCCAGAACCCCTCCATCGTCTACGTTATCTG  
CATCACTTCCAGGTCCACCCCTTTCTTTCCGGGTGTGGCCTTCGACCCAGAGCTCCTACAGAAGCAGCCAG  
TGAACCTTTGTCACGGAGACACAAGCTACCCAGCCAGTTCAGCGGAGACCATGCCCTTTGACGACTTTGA  
CTGTGATCTGGAGTCCTTCTGCTACCTATCCCTGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC230027 representing NM\_001174103  
**Red**=Cloning site **Green**=Tags(s)

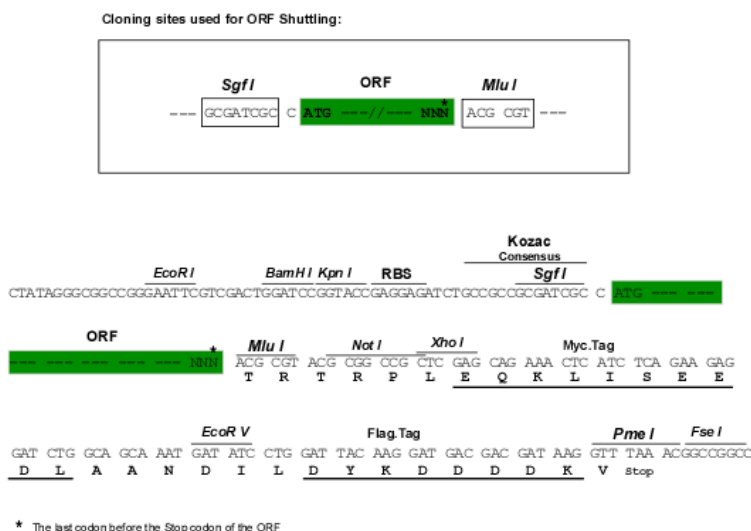
MGAVSCRQGQHTQQGEHTRVAVPHKQGGNIRGPWARGWKSLSLWTGLGDIRSDLEELWELRGHHYHLHQESLK  
PAPVLVEKPLPEWPVPQFINLFLPEFPIRPIRGQQQLKILGLVAKGSFGTVLKVLDCTQKAVFAVKVVPK  
VKVLQRDTRVQCCKEVSIIQRQINHPFVHSLGDSWQGKRHLFIMCSYCYSTDLYSLWSAVGCFFEASIRLFA  
AELVLVLCYLHDLGIMHRDVKMENTILLDERGHLKLTDFGLSRHVPQGAQAYTICGTLQYMAPEVLSGGPY  
NHAADWWSLGVLLFSLATGKFPVAAERDHYAMLASVTHSDSEIPASLNQGLSLLLHELLCQNPLHRLRYL  
HHFQVHPFFRGVAFDPELLQKQPVNFVTETQATQPSSAETMPDFDFFDCDLESFLLYPIPA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Chromatograms: [https://cdn.origene.com/chromatograms/mk8057\\_h11.zip](https://cdn.origene.com/chromatograms/mk8057_h11.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001174103

ORF Size: 1230 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](#)

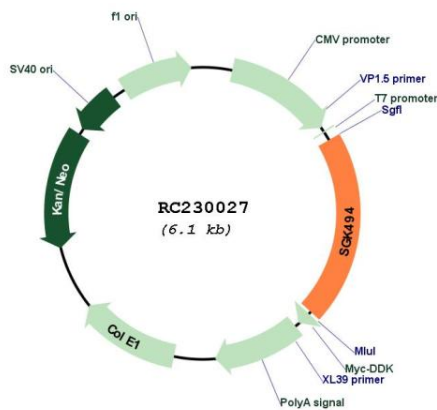
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

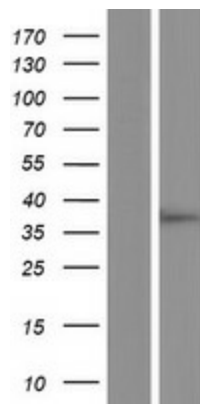
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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\\_001174103.2](#)  
**RefSeq ORF:** 1233 bp  
**Locus ID:** 124923  
**Cytogenetics:** 17q11.2  
**Protein Families:** Druggable Genome, Protein Kinase  
**MW:** 46.7 kDa

**Product images:**



Circular map for RC230027



Western blot validation of overexpression lysate (Cat# [LY433027]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230027 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).