

Product datasheet for **RG212639**

SNRK (NM_001100594) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNRK (NM_001100594) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNRK
Synonyms:	HSNFRK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG212639 representing NM_001100594
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGGATTTAAGCGAGGGTATGATGGAAGATTGCTGGATTATATGATCTGGATAAAACCTTGGGTC
 GAGGCCATTTTGCCGTGGTTAAACTTGCCAGGCATGTCCTTACGGGTGAAAAGGTGGCAGTAAAAGTTAT
 TGACAAGACAAAACCTGGACACTCTAGCTACTGGTCATCTTTCCAGGAAGTGAGATGCATGAAACTAGTG
 CAGCATCCTAACATCGTCCGCCTTTATGAAGTTATTGACACCCAGACCAAATATATCTTATTCTAGAAC
 TTGGGGATGGAGGAGATATGTTTGATTATAATGAAACATGAGGAGGGTCTTAATGAAGACTTGGCCAA
 GAAGTATTTTGCTCAGATAGTTCATGCTATATCTTATTGCCATAAACTCCATGTGGTTACACAGACTTA
 AAACCAGAGAATGTAGTCTTCTTGAAAAACAAGGTCTTGTAAGTTGACAGACTTTGGGTTACAGCAACA
 AATTTCAACCAGGAAGAAGCTCACTACAAGCTGTGGATCTCTTGATATTCGGCTCCAGAAATCTGCT
 TGGTGATGAGTATGATGCACCTGCAGTAGATATTTGGAGTCTGGGAGTGATCCTTTTCATGTTGGTGTGT
 GGGCAGCCGCCCTTTCAAGAAGCCAATGACAGTGAACACTGACAATGATCATGGATTGCAAATATACAG
 TACCATCCCATGTGTCTAAAGAGTGTAAAGACCTAATCACACGGATGCTACAGAGAGATCCCAAGAGAAG
 GGCTTCTTTAGAAGAGATTGAAAATCATCTTGGCTTCAGGGAGTGGACCTTCACCAGCTACAAAGTAT
 AACATTTCCCTTGTGTCATACAAAAATCTCTCGGAAGAGGAGCACAACAGCATCATTACAGCGCATGGTGC
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 CACATACTTCTGCTGGTGAAGGATCCTGAGAGAAAAGCAAGAGAAAGAAATACAGACCAGATCTGCA
 AGCCCGAGCAATATCAAGGCCAGTTTAGGCAGTCATGGCCAACCAAAATGATGTACCCAGGACCTTG
 AGGATGACCTCACGGCCACTCCTTTGTCCCACGGACTGTCCCTCAGTCTCCTGCTCGGGCTGCTGACAG
 GTCTCTCAATGGCCACAGGAGCAAAAGCCCTGTGTGACTCAGCTAAGAAAGATGACCTCCCTGAGTTGGCT
 GGACCAGCACTCTCTACGGTGCCACCCGAAGCTTAAAACCCACAGCCAGTGGGCGGAAGTGTCTGTTCA
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 GCGCCGGAAGCCATCTGTAACCAACCGCTGACATCCAGGAAGAGTGCGCCGCTCTCAACCAGATCTTT
 GAGGAAGGGGAATCTGACGATGAGTTTGACATGGATGAGAATCTGCCTCCCAAGTTGAGCAGGTTAAAGA
 TGAATATAGCTTCTCCAGGTACAGTTCACAAACGCTACCACGGAGGAAAAGTACGGGCCGGGCTCCAG
 CTGCAGTAGTTCGGAGACCAGTGATGATGATTCTGAAAGCCGGCGGGCTCGATAAAGATAGCGGGTTC
 ACCTACTCTGACCGACGGGATAGCAGCGAGGGGCCCTTGGCAGTGAGGGGGATGGCGGGGCCAGA
 GCAAGCCAAGCAATGCCAGTGGAGGGTGGACAAGGCCAGCCCCAGTGAGAACAATGCTGGTGGGGCAG
 TCCTCCAGCGGCTCGGGTGGCAACCCCAATACATCGGGTACCACAGCCGCTGTGCCGGCCCCAGC
 AACTCCATGCAGCTGGCCTCTCGCAGTGTGGGGAGCTCGTTGAGAGCCTCAAACCTCATGAGCCTTGCC
 TCGGCTCCAGCTTATGGGAGCACCAAGTACATTATTGATCCACAGAATGGCTTGTCAATTTCCAGTGT
 GAAAGTCCAAGAGAAATCTACGTGGAATGTGCATTAGCTCCACAGGGAATGCAGGGCAGGTCCCTGCA
 GTGGGGCGCATAAAGTTTTCTGACCACATGGCAGATACCACCACTGAATTGGAACGGATAAAGAGCA
 AGAACCTGAAAAATAACGTGCTGCAGCTACCTCTGTGCGAAAAGACCATCTCTGTGAACATCCAGCGGAA
 CCTAAGGAGGGGCTGCTGTGCGCATCCAGCCCAGCCAGCTGTTGCCATGTCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212639 representing NM_001100594
 Red=Cloning site Green=Tags(s)

MAGFKRGYDGK IAGLYDLDKTLGRGHFAVVKLARHVFTGEKVAVKVIDKTKLDLTLATGHLFQEVRCMKLV
 QHPNIVRLYEVIDTQTKLYLILELGDGDMFDYIMKHEEGLNEDLAKKYFAQIVHAISYCHKLHVVRDL
 KPENVVFFEKQGLVKLTDFGFSNKFQPGKLLTSCGSLAYSAP EILLGDEYDAPAVDIWSLGVILFMLVC
 GQPPFQEANDSETLTMIMDCKYTPSHVSKECKDLITRMLQRDPKRRASLEEIENHPWLQGVDPSPATKY
 NIPLVSYKNLSEEEHNSIIQRMVLGDIADRDAIVEALETNRYNHITATYFLLAERILREKQEKEIQTRSA
 SPSNIKAQFRQSWPTKIDVPQDLEDDL TATPLSHATVPQSPARAADSVLNGHRSKGLCDSAKKDDLPELA
 GPALSTVPPASLKPTASGRKCLFRVEEDEEDEEDKKPMSLSTQVVLRRKPSVTNRLTSRKSAPVLNQIF
 EEGESDDEFDMDENLPPKLSRLKMNIASPGTVHKRYHRRKSQGRGSSCSSSETSDDDSESRRRLDKDSGF
 TYSWHRDSSEGGPPGSEGDGGGQSKPSNASGGVDKASPSENNAGGGSPSSGGGNPTNTSGTTRRCAGPS
 NSMQLASRSAGELVESLKLMSLCLGSQLHGSTKYIIDPQNGLSFSSVKVQEKSTWKMCISSGTGNAGQVPA
 VGGIKFFSDHMADTTTELERIKSKNLKNNVLQLPLCEKTI SVNIQRNPKEGLLCASSPASCCHVI

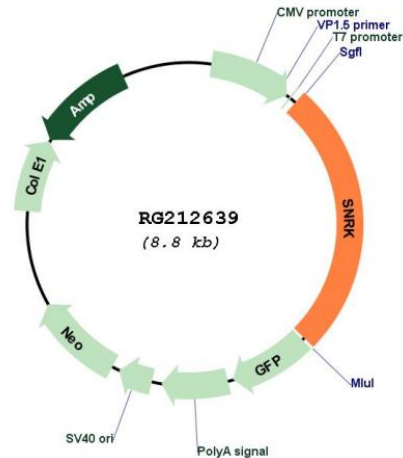
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_001100594

ORF Size: 2295 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_001100594.1](#), [NP_001094064.1](#)

RefSeq Size: 5174 bp

RefSeq ORF: 2298 bp

Locus ID: 54861

UniProt ID: [Q9NRH2](#)

Cytogenetics: 3p22.1

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: SNRK is a member of the sucrose nonfermenting (SNF)-related kinase family of serine/threonine kinases (Kertesz et al., 2002 [PubMed 12234663]).[supplied by OMIM, Apr 2009]