

Product datasheet for **RG202641**

RPS6KL1 (NM_031464) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS6KL1 (NM_031464) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RPS6KL1
Synonyms:	RSKL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG202641 representing NM_031464
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCTGGTGGCCTGTGAGTGCCTGCCAGCCCCGGCCTGGAGCCTGAGCCTTGTCTACGAGCACGGT
 CCCAAGCTCACGTGTACCTGGAGCAGATTCGCAACAGGGTGGCTCTGGGAGTGCCTGACATGACAAAACG
 TGAATCTGGTGGATGCGGCCACGCAGATCCGGCTGGCCTGGAGCGGATGTTAGTGAGGACTATGAG
 GCGGCCTCAACCACTATCAGAATGGCGTGGAGCTGCTGCTCCGTGGCATAACAGTTGACCCCAACAAGG
 AGCGAGCTGAGGCTGTGAAGCTGAAAATTACAAATACCTGCGCGGGCAGAGGAGATCTCAACTGCCA
 CCTGCAGCGGCCCTGAGCAGTGGAGCCAGCCCCAGCGGGTGCAGCTGGTCCAGGACCCGGCAACCGGA
 GGGACCTTTGTGGTGAAGAGCCTACCCAGGTGCCACATGGTGGCAGGGAGCGGCTGACCATCATCCAC
 ACGGAGTCCCCTACATGACGAAGCTGCTCAGGTACTTTGTGAGCGAGGACTCCATCTTCTGCACCTGGA
 GCATGTCAAGGAGGCACTCTCTGGTCCCACCTGCTCTCCAGGGCAGCTCCCGACATTCTGGGCTCAGC
 TCTGGCTCTACCCAGGAGAGGATGAAGGCTCAGCTCAACCCACCTCAACCTCCTGACCCAGCGAGGC
 TTCCCTCAGGCCATGCCCTGGCCAGGACAGAATCGCCCTGGAGCCTCCTAGGACTTCTCCGAACCTTCT
 CCTAGCTGGGGAGGCCCATCCACCAGACCCAGAGGGAGGCTGAAGGTGAACCCACAGCCAGGACCAGC
 ACCTCTGGCTCCTCGGACCTTCCAAAGGCCAGGTGGCCACCTGCACCTTAAGCTAGGAGGGCTGGCC
 AGAACTCAGACGCTGGGCCCCCTCGGGGCTCACTTGGGTTCTGAGGGGGCCGGCCGGTGTAGGGGG
 CTGTGGCCGAGGCATGGATCAGAGCTGCCTGTGAGCAGATGGGGCCGGCCGGGCTGTGGCAGGGCCACC
 TGGAGTGTGAGAGAGGAGCAGGTGAAGCAGTGGCGGCAGAGATGCTGGTAGCGTGGAGCGCTGCACG
 AGCAGGGGCTGTGTGCCGGGACCTCCACCCGGGAACCTGCTCCTGGACCAGGCAGTCCATCCGCTG
 CACATATTTTGGCCAGTGGTCCAGAGTGGAGCCCAAGTCTGCGGGGAGGCCGTGGACAATCTCTACAGC
 GCCCAGAGGTGGTGGGATTTCCGAGCTGACGGAAGCCTGTGACTGGTGGAGCTTTGGGCTCTACTGT
 ATGAACTGCTGACGGAAATGGCACTGTCCAGAGCCACCCTTCCAGGAATCCAGGCCACACCCAGCTCCA
 GCTGCCGAGTGGCTCAGTCGCCAGCGGCTCTCTGCTGACTGAGCTGCTGCAGTTCGAGCCTACCCGG
 CGCCTGGGCATGGGAGAAGGTGGTGTGAGCAACTCAAGTCCCATCCCTTTTTCAGTACCATCCAATGGA
 GCAAGCTGGTGGGACATCTCTGGAGACTATCTCAGGACTGATCCACTGGCTCAGTGGACCCAAACC
 AGACTGCTCTGGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG202641 representing NM_031464
 Red=Cloning site Green=Tags(s)

MSLVACECLPSPGLEPEPCSRARSQAHVYLEQIRNRVALGVPDMTKRDYLVDAATQIRLALERDVSEDIY
 AAFNHYQNGVDVLLRGIHVDPNKRREAVKLKITYLRRAEEIFNCHLQRPLSSGASPSAVQLVQDPATG
 GTFVVKSLPRCHMVSRRERLTIIPHGVPMYTKLLRYFVSEDSIFLHLEHVQGGTLWSHLLSQAHSRHSGLS
 SGSTQERMKAQLNPHLNLLTPARLPSGHAPGQDRIALEPPRTSPNLLAGEAPSTRPQREAEGEPTARTS
 TSGSSDLPKAPGGHLHLQARRAQNSDAGPPRGLTWVPEGAGPVLGGCGRGMDQSCLSDAGAGRGCGRAT
 WSVREEQVKQWAAEMLVALEALHEQVLCRDLHPGNLLLDQAGHIRLTYFGQWSEVEPQCCGEAVDNLYS
 APEVGGISEL TEACDWWSFGSLLYELLTGMALSQSHPSGIQAHTQLQPEWLSRPAASLLTELLQFEPT
 RLGMGEGGVSKLKSHPFFSTIQWSKLVGTSLETHLRTL IHWLSGPKPDCPG

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_031464

ORF Size: 1623 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_031464.3](#), [NP_113652.1](#)

RefSeq Size: 3035 bp

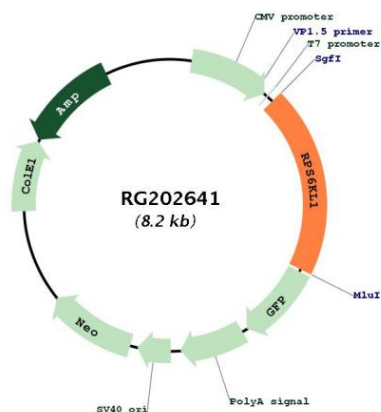
RefSeq ORF: 1650 bp

Locus ID: 83694

UniProt ID: [Q9Y6S9](#)

Cytogenetics: 14q24.3
Domains: pkinase, TyrKc, S_TKc, MIT
Protein Families: Druggable Genome, Protein Kinase

Product images:



Circular map for RG202641