

Product datasheet for **SC110674**

RIOK1 (NM_153005) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIOK1 (NM_153005) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIOK1
Synonyms:	AD034; bA288G3.1; RRP10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_153005, the custom clone sequence may differ by one or more nucleotides

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ATGGTGAAAACCTGGGCAGAAAAAGAAATGAGGAACTTAATCAGGCTAAACACAGCAGAGATACCATGTC
CAGAACCAATAATGCTAAGAAGTCATGTTCTTGTGCATGAGTTTCATCGGTAAAGATGACATGCCTGCACC
ACTCTTGAAAAATGTCCAGTTATCAGAATCCAAGGCTCGGGAGTTGTACCTGCAGGTCATTCAGTACATG
AGAAGAATGTATCAGGATGCCAGACTTGTCCATGCAGATCTCAGTGAATTTAACATGCTGTACCACGGTG
GAGGCGTGTATATCATTGACGTGTCTCAGTCCGTGGAGCAGCACCACCCACATGCCTTGGAGTTCTTGAG
AAAGATTGCGCCAACGTCAATGATTTCTTTATGAGGCACAGTGTGCTGTGCATGACTGTGCGGGAGCTC
TTTGAATTTGTACAGATCCATCCATTACACATGAGAACATGGATGCTTATCTCTCAAAGCCATGGAAA
TAGCATCTCAAAGGACCAAGGAAGAACGGTCTAGCCAAGATCATGTGGATGAAGAGGTGTTAAGCGAGC
ATATATTCCTAGAACCTTGAATGAAGTAAAAATTATGAGAGGGATATGGACATAAATTGAAAATTGAAG
GAAGAGGACATGGCCATGAATGCCAACAGATAATATTCTATACCAGACTGTTACAGGATTGAAGAAAAG
ATTTGTCAGGAGTTCAGAAGGTCCTGCCTGACTCCTAGAAAATCAAGTGGAGGAAAGGACTTGTCTGATTC
AGAAGATATTGGAAGCTCTGAGTGTCTGACACAGACTCTGAAGAGCAGGGAGACCATGCCCGCCCAAG
AAACACACCACGGACCCTGACATTGATAAAAAAGAAAAGAAAAGATGGTCAAGGAAGCCAGAGAGAGA
AAAGAAAAACAAAATTCCTAAACATGTGAAAAAAGAAAAGGAGAAGACGCCAAGACGAAAAAAGGCAA
ATAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_153005 unedited GTCAGATTAGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCCANAAACAA AATGATTTTATCAAGATGTTGACTAGAGGAATCATAACAGAGATAAATGGCTGCATTAG CACAGGAAAAGAAGCTAATGTATACCATGCTAGCACAGCAAATGGAGAGAGCAGAGCAAT CAAAATTTATAAACTTCTATTTTGGTGTCAAAGATCGGGATAAATATGTAAGTGGAGA ATTCAGATTTTCGTCATGGCTATTGTAAAGGAAACCCTAGGAAAATGGTAAAACTTGGGC AGAAAAAGAAATGAGGAACTTAATCAGGCTAAACACAGCAGAGATACCATGTCCAGAACC AATAATGCTAAGAAGTCATGTTCTTGTTCATGAGTTTCATCGGTAAGATGACATGCCTGC ACCACTCTTGAAAAATGTCCAGTTATCAGAATCCAAGGCTCGGGAGTTGTACCTGCAGGT CATTTCAGTACATGAGAAGAATGTATCAGGATGCCAGACTTGCCATGCAGATCTCAGTGA ATTTAACATGCTGTACCACGGTGGAGGCGTGTATCATTGACGTGTCTCAGTCCGTGGA GCACGACCACCCACATGCCTTGGAGTTCTTGAGAAAGGATTGCGCCAACGTCAATGATTT CTTTATGAGGCACAGTGTGCTGTCATGACTGTGCGGGAGCTCTNTGAATNTGTCACAGA TCCATCCATTACACATGAGAACATGGATGCTTATCTCTCAAGGCCATGGNAATAGCATCT CAAGGACCAAGGAAGACCGTCTAGCCAGATCATGTGATGAAGAAGTGTAAAGCGAGCTAT ATTCTAGAACCCTGATGAGTGAAAATATGAGAGGGTATGGACATAATATGAAAATGAGGG AGAGACATGNCATGATGCCCCACAGAATATTTATACCAGATGTTACAGATG
Restriction Sites:	NotI-NotI
ACCN:	NM_153005
Insert Size:	1300 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:	<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_153005.1 , NP_694550.1
RefSeq Size:	1796 bp
RefSeq ORF:	984 bp
Locus ID:	83732
Cytogenetics:	6p24.3
Domains:	RIO
Protein Families:	Druggable Genome, Protein Kinase

Gene Summary:

The protein encoded by this gene competes with pICln for inclusion in the protein arginine methyltransferase 5 complex. This complex targets substrates for dimethylation. The encoded protein is essential for the last steps in the maturation of 40S subunits. [provided by RefSeq, Jan 2017]

Transcript Variant: This variant (2) contains an alternate segment in the 5' coding region, resulting in a downstream in-frame translation start codon, as compared to variant 1. The resulting isoform (2) has a shorter N-terminus than isoform 1.