

Product datasheet for **SC118279**

RIT2 (NM_002930) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIT2 (NM_002930) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIT2
Synonyms:	RIBA; RIN; ROC2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_002930 edited
ATGGAGGTAGAAAATGAAGCCAGCTGCTCCCCGGGCAGCGCATCAGGCGGGTCCAGAGAG
TACAAGGTGGTAATGCTGGGAGCAGGGGAGTTGGTAAAAGCGCAATGACAATGCAGTTT
ATTAGTCATCAGTTCCCTGATTATCATGACCCTACTATAGAAGATGCTTATAAGACCCAG
GTCAGGATTGACAATGAGCCAGCTTACTTGGACATCTTGGACACTGCTGGCCAGGCAGAA
TTCACAGCCATGCGGGAGCAGTACATGCGAGGTGGGGAAGGCTTCATCATCTGCTACTCC
GTCAGTACCCTCAATCATTTTCAGGAGGCTGCCAAGTTTAAAGAGCTCATTTTTTCAGGTC
CGCCACACCTATGAAATCCCCTGGTGTGGTGGGTAACAAAATTGATCTGGAACAGTTC
CGCCAGGTTTCTACAGAAGAAGGCTTGAGTCTTGCCCAAGAATATAATTGTGTTTTTTT
GAGACCTCTGCAGCCCTCAGATTCTGTATTGATGATGCTTTTCATGGCTTAGTGAGGGAA
ATTCGCAAGAAGGAGTCCATGCCATCCTTGATGGAAGAAAGAACTGAAGAGAAAAGACAGC
CTGTGGAAGAAGCTCAAAGGTTCTTTGAAGAAGAAGAGAGAAAATATGACATGA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002930 unedited GTCAGAATTTGTATACGACTCCTATAGGGCGGCCGGAATCGGCACGAGGGCCCCGACGCT GATGGTCTTACCTCGTACTAAAACCTTTGCTTTGACACAGTTTTAGAGTTGCTTAATAT TCGAGCAAGCACCTGACACGGGTGACTTCTCCTCTTTTTTCTCCGGTCCCTCGGGT AAGATGGAGGTAGAAAATGAAGCCAGCTGCTCCCCGGGCAGGCATCAGGCGGGTCCAGA GAGTACAAGGTGGTAATGCTGGGAGCAGGGGGAGTTGGTAAAAGCGCAATGACAATGCAG TTTATTAGTCATCAGTTCCTGATTATCATGACCCTACTATAGAAGATGCTTATAAGACC CAGGTCAGGATTGACAATGAGCCAGCTTACTTGGACATCTTGGACTGCTGGCCAGGCA GAATTCACAGCCATGCGGGAGCAGTACATGCGAGGTGGGGAAGGCTTCATCATCTGCTAC TCCGCTACTGACCGTCAATCATTTCAGGAGGCTGCCAAGTTTAAAGAGCTCATTTTTTCAG GTCCGCCACACCTATGAAATCCCCTGGTGTGGTGGGTAAACAAAATTGATCTGGAACAG TTCCGCCAGGTTTCTACAGAAGAAGGCTTGAGTCTGCCCAAGAAATAATTGTGGGTTTT TTTGAGACCTCTGCAGCCCTCAGATTCTGTATTGATGATGCTTTTCATGGCTTAGTGAGG GAAATTCGCAGGAAGGAGTCCATGCCATCCTTGATGAAAAGAACTGAAAGAGAAAGAC AGCCTGTGGGAGAGCCTCAAAGTTCTTTGAAGGAGAAGAGAGCAAAATATGACATGATAT NTTGGCTTTTTGGAGTCTCACGCTCTCTGAATTTAATATTAGTTGACAATCCCATAT TGTAGCATTCTGCTTCATATTATC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002930 unedited TGGACGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGAGCAATTGGAATG TCAATTTTATTTAGTACTATGTTGTA AAAACTAAACAGCATATCCAGCTGATTGACAAAA TCCATCCAAGTGTAAAGGCAAAACAAAATCTCAAGAGGTACAGATATGCAGAGCTT GCTTTTACCTACAGGCAGATATTTAAAGAGAGAGACACATAGAGAGATAATATTGAAG CAGAATGTACATATGGAATTGTCCAATAATAAATTCAGAGAGCGTGAGGAACCTCAA AGCAAAGATATCATGTCATATTTTCTCTCTTCTTCAAGAACCTTTGAGCTTCTTCC ACAGGCTGTCTTTCTCTTCAGTTTCTTTCCATCAAGGATGGCATGGACTCCTTCTTGC GAATTTCCCTCACTAAGCCATGAAAAGCATCATCAATACAGAATCTGAGGGCTGCAGAGG TCTCAAAAAACCAAAATATATTTCTGGGCAAGACTCAAGCCTTCTTGTAGAAAACCT GGCGGAAGTGTCCAGATCAATTTTGTACCCACCAGCACCAGGGGAATTCATAGGTGT GGCGGACTGAAAAATGAGCTCTTAAACTTGGCAGCCTCCTGAAATGATTGACGGTCAG TGACGGATAGCAGATGATGAAGCCTTCCACCTCGCATGCTCTCCGCATGGCTGT GAATCTGCCTGGCCAGCAGTGTCCAAGATGTCCAAGTAAGCTGGCTCATTGTCAATCCT GACCTGNGTCTTATAAGCATCCTCTATAGTAGGGTCATGATAATCAGGGAAGTATGACT AATAAACTGCATTGTGCTTGTGCGCTTTTACCAACTNCCCCTGCTCCANATTTACCACTTG TACTCTCTGGACCCCTGAGCGCTGCCCGGAACACT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002930
Insert Size:	1090 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_002930.1 , NP_002921.1
RefSeq Size:	1113 bp
RefSeq ORF:	654 bp
Locus ID:	6014
UniProt ID:	Q99578
Cytogenetics:	18q12.3
Domains:	ras, RAS, RHO, RAB
Gene Summary:	RIN belongs to the RAS (HRAS; MIM 190020) superfamily of small GTPases (Shao et al., 1999 [PubMed 10545207]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) encodes the longer isoform (1).