

Product datasheet for SC301996

RTKN (NM_001015056) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RTKN (NM_001015056) Human Untagged Clone
Tag:	Tag Free
Symbol:	RTKN
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001015056, the custom clone sequence may differ by one or more nucleotides ATGAGGGAAGGGGCTGTAAGCTGCTGGCAGCCTGCTCCCAGCGAGAGCAGGCTCTGGAG GCCACCAAGAGCCTGCTAGTGTGCAACAGCCGATCCTCAGCTACATGGGCGAGCTGCAG CGGCGCAAGGAGGCGCAGGTGCTGGGGAAGACAAGCCGGCGGCTTCTGACAGTGGCCCG CCCCTGAGCGCTCCCCCTGCCGCGCCGGGTCTGCATCTCTGACCTCCGGATTCCACTC ATGTGGAAGGACACAGAATATTTCAAGAACAAGGTGACTTGCACCGCTGGGCTGTGTT CTGCTGCTGCAGCTGGGGAACACATCCAGGACACAGAGATGATCCTAGTGGACAGGACC CTCACAGACATCTCCTTTCAGAGCAATGTGCTCTTCGCTGAGGCGGGGCCAGACTTGAA CTGCGGTTAGAGCTGTATGGGGCCTGTGTGGAAGAAGAGGGGGCCCTGACTGGCGGCCCC AAGAGGCTTGCCACAAACTCAGCAGCTCCCTGGGCCGCTCCTCAGGGAGCGTGTCCGG GCATCGCTGGACAGTGTGGGGTTTCAGGGAGCAGTCCCATCTTGCTCCCCACCCAGTT GTTGGTGGTCTCGTTACCACCTCTTGGCTCACACCACACTCACCTGGCAGCAGTGCAA GATGGATTCCGCACACATGACCTCACCTTGCAGTCATGAGGAGAACCCTGCCTGGCTG CCCCTTATGGTAGCGTGTGTTGCCGTCTGGCAGCTCAGCCTCTCTGCATGACTCAGCCC ACTGCAAGTGGTACCCTCAGGGTGCAGCAAGCTGGGAGATGCAGAACTGGGCACAAGTG CATGGAGTTCTGAAAGGCACAAACCTCTTCTGTTACCGCAACCTGAGGATGCAGACACT GGGGAAGAGCCGCTGCTTACTATTGCTGTCAACAAGGAGACTCGAGTCCGGGCAGGGGAG CTGGACCAGGCTCTAGGACGGCCCTTACCCTAAGCATCAGTAACCAGTATGGGGATGAT GAGGTGACACACACCCCTCAGACAGAAAGTCGGGAAGCACTGCAGAGCTGGATGGAGGCT CTGTGGCAGCTTTTCTTTGACATGAGCCAATGGAAGCAGTGTGTGATGAAATCATGAAA ATTGAACTCCTGCTCCCCGAAACCACCCCAAGCACTGGCAAAGCAGGGGTCTTGTAC CATGAGATGGCTATTGAGCCGCTGGATGACATCGCAGCGGTGACAGACATCCTGACCCAG CGGGAGGGCGCAAGGCTGGAGACACCCCAACCTGGCTGGCAATGTTTACAGACCAGCCT GCCCTGCCTAACCCCTGCTCGCCTGCCTCAGTGGCCCCAGCCCCAGACTGGACCCACCCC CTGCCCTGGGGGAGACCCCGAACCTTTTCCCTGGATGCTGTCCCCCAGACCACTCCCCT AGGGCTCGCTCGGTTGCCCCCTCCACCTCAGCGATCCCCACGGACCAGAGGCCTCTGC AGCAAAGGCCAACCTCGCACTTGGCTCCAGTACCAGTGTGA
Restriction Sites:	Please inquire
ACCN:	NM_001015056



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001015056.1</u> , <u>NP_001015056.1</u>
RefSeq Size:	2211 bp
RefSeq ORF:	1542 bp
Locus ID:	6242
UniProt ID:	<u>Q9BST9</u>
Cytogenetics:	2p13.1
Gene Summary:	<p>This gene encodes a scaffold protein that interacts with GTP-bound Rho proteins. Binding of this protein inhibits the GTPase activity of Rho proteins. This protein may interfere with the conversion of active, GTP-bound Rho to the inactive GDP-bound form by RhoGAP. Rho proteins regulate many important cellular processes, including cytokinesis, transcription, smooth muscle contraction, cell growth and transformation. Dysregulation of the Rho signal transduction pathway has been implicated in many forms of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and coding region and uses a downstream start codon, compared to variant 1. The encoded protein (isoform c) is shorter than isoform a.</p>