

## Product datasheet for **SC310116**

### **RIPK4 (NM\_020639) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RIPK4 (NM_020639) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIPK4
Synonyms:	ANKK2; ANKRD3; CHANDS; DIK; NKRD3; PKK; PPS2; RIP4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for NM\_020639 edited  
GGCGCTGGCTAGACGTGCGCGATGGAGGGCGACGGCGGGACCCCATGGGCCCTGGCGCTG  
CTGCGCACCTTCGACGCGGGCGAGTTCACGGGCTGGGAGAAGGTGGGCTCGGGCGGCTTC  
GGGCAGGTGTACAAGGTACGCCATGTCCACTGGAAGACCTGGCTGGCCATCAAGTGTCTG  
CCCAGCCTGCACGTGACGACAGGGAGCGCATGGAGCTTTTGAAGAAGCCAAGAAGATG  
GAGATGGCCAAGTTTCGCTACATCCTGCCTGTGTATGGCATCTGCCGCGAACCTGTCCGC  
CTGGTCATGGAGTACATGGAGACGGGCTCCCTGGAAAAGCTGCTGGCTTCGGAGCCATTG  
CCATGGGATCTCCGGTTCGAATCATCCACGAGACGGCGGTGGGATGAACTTCCTGCAC  
TGATGGCCCGCCACTCCTGCACCTGGACCTCAAGCCCGCAACATCCTGCTGGATGCC  
CACTACCACGTCAAGATTTCTGATTTTGGTCTGGCCAAGTGCAACGGGCTGTCCACTCG  
CATGACCTCAGCATGGATGGCTGTTTGGCACAATCGCCTACCTCCCTCCAGAGCGCATC  
AGGGAGAAGAGCCGGCTTTCGACACCAAGCACGATGTATACAGCTTTGCGATCGTCATC  
TGGGGCGTGCTCACACAGAAGAAGCCGTTTGCAGATGAGAAGAACATCCTGCACATCATG  
GTGAAGGTGGTGAAGGGCACCCCGGAGCTGCCGCCGTGTGCAGAGCCCGGCCGCGC  
GCCTGCAGCCACCTGATACGCCCTCATGCAGCGGTGCTGGCAGGGGATCCGCGAGTTAGG  
CCACCTTCCAAGAAATTAATCTGAAAACCGAGGACCTGTGTAAAAGCCTGATGACGAA  
GTAAAAGAACTGCTCATGATCTGGACGTGAAAAGCCCCCGGAGCCAGGAGCGAGGTG  
GTGCTGCGAGGCTCAAGCGGGCTCTGCCCCACCTTCGATAACGACTACAGCCTCTCC  
GAGCTGCTCTACAGCTGGACTCTGGAGTTTCCAGGCTGTGAGGGCCCGAGGAGCTC  
AGCCGACGCTCCTCTGAGTCAAAGTGCATCGTCCGGCAGTGGGAGAGGCTCTCGGGG  
GTGTCTCGGTGGACTCCGCCTTCTTCCAGAGGATCACTGTGCTGTCTTTGAGCGG  
GAACTTCAACACGCGATCTGGGCACCACAGACGTCCAGAAGAAGAAGCTTGTGGATGCC  
ATCGTGTCCGGGACACCAGAACTGATGAAGATCCTGCAGCCGAGGACGTGGACCTG  
GCATGGACAGCGGTGCCAGCCTGCTGCACCTGGCGGTGGAGCCGGGCAAGAGGAGTGC  
GCCAAGTGGCTGCTGCTCAACAATGCCAACCCCACTGAGCAACCGTAGGGGCTCCACC  
CCGTTGCACATGGCCGTGGAGAGGAGGTGCGGGGTGTCGTGGAGCTCCTGCTGGCGCGG  
AAGATCAGTGTCAACGCCAAGGATGAGGACCAAGTGGACAGCCCTCACTTTGCAGCCAG  
AACGGGGACGAGTCTAGCACACGGCTGCTGTTGGAGAAGAAGCCTCGGTCAACGAGGTG  
GACTTTGAGGGCCGACGCCATGCACGTGGCCTGCCAGCACGGGAGGAGAATATCGTG  
CGCATCCTGCTGCGCCGAGGCGTGGACGTGAGCCTGCAGGGCAAGGATGCCTGGTGCCA  
CTGCACTACGCTGCCTGGCAGGGCCACCTGCCATCGTCAAGCTGCTGGCCAAGCAGCCG  
GGGGTGAAGTGAACGCCAGACGCTGGATGGGAGGACGCCATTGCACCTGGCCGCACAG  
CGCGGGCACTACCGCGTGGCCCGCATCCTCATCGACCTGTGCTCCGACGTCAACGTCTGC  
AGCCTGCTGGCACAGACCCCTGCACGTGGCCGCGGAGACGGGGCACACGAGCACTGCC  
AGGCTGCTCCTGCATCGGGGCGCTGGCAAGGAGGCCGTGACCTCAGACGGCTACACCGCT  
CTGCACCTGGCTGCCCGCAACGGACACCTGGCCACTGTCAAGCTGCTTGTGAGGAGAAG  
GCCGATGTGCTGGCCCGGGGACCCTGAACCAGACGGCGCTGCACCTGGCTGCCGCCAC  
GGGCACTCGGAGGTGGTGGAGGAGTTGGTCAGCGCCGATGTCATTGACCTGTTTCGACGAG  
CAGGGGCTCAGCGCGCTGCACCTGGCCGCCAGGGCCGACGCACAGACGGTGGAGACT  
CTGCTCAGGCATGGGGCCACATCAACCTGCAGAGCCTCAAGTTCCAGGGCGGCCATGGC  
CCCGCCGCCACTCCTGCGGCGAAGCAAGACCTAGCTGGCTGCCTGCGGAGACCGGGG  
TCCACGTGGGGCTCTTGTCTGTCTGTTCCTCGTGGGGATGGAACGATC

**Restriction Sites:** Please inquire  
**ACCN:** NM\_020639  
**Insert Size:** 2500 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>The ORF of this clone has been fully sequenced and found to be a perfect match to NM_020639.2.</p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<p><a href="#">NM_020639.2</a>, <a href="#">NP_065690.2</a></p>
<b>RefSeq Size:</b>	<p>3890 bp</p>
<b>RefSeq ORF:</b>	<p>2355 bp</p>
<b>Locus ID:</b>	<p>54101</p>
<b>Cytogenetics:</b>	<p>21q22.3</p>
<b>Domains:</b>	<p>pkinase, TyrKc, ANK, S_TKc</p>
<b>Protein Families:</b>	<p>Druggable Genome, Protein Kinase</p>
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a serine/threonine protein kinase that interacts with protein kinase C-delta. The encoded protein can also activate NFkappaB and is required for keratinocyte differentiation. This kinase undergoes autophosphorylation. [provided by RefSeq, Jul 2008]</p>