

Product datasheet for **SC124093**

RIPK5 (DSTYK) (NM_015375) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIPK5 (DSTYK) (NM_015375) Human Untagged Clone
Tag:	Tag Free
Symbol:	RIPK5
Synonyms:	CAKUT1; DustyPK; HDCMD38P; RIP5; RIPK5; SPG23
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124093 sequence for NM_015375 edited (data generated by NextGen Sequencing)

```

ATGGAGGGCGACGGGGTGCATGGGGCAGCGAGCCGTCTCGGGTCCCGCCCCGGCGGG
GGCGGAATGATCCGCGAGCTGTGCCGGGCTTCGGCCGCTACCGCCGCTACCTGGGACGG
CTGCGACAGAACCTGCGCGAGACCCAGAAGTTCTTCCGCGACATCAAGTGTCCCAACAAC
CACACTTGTCTCTCCTCCCTCACGGGCGGGCGGGGCCGAGCGCGGCCCTGCAGGCGAT
GTCGCCGAAACCGGGCTGCAGGCGGGCCAAGTGCATTTCTTCCACCTAAGGAA
GAGAAGTACCTCCAGCAGATTGTGGACTGCCTCCCTTGCATACTGATCCTCGGCCAGGAT
TGTAACGTCAAGTGCCAGCTGTTGAATCTGCTGTTGGGGTGCAGGTGCTTCCCACCACC
AAGCTGGCAGTGAAGAGCTGTAAGCTTCGGCGCCTCCGCTTACCTATGGGACTCAG
ACTCGGGTCCAGCTGGCGCTCCCTGGACAGTATGAACTAGTGCACACGCTGGTTGCTCAT
CAGGGCAACTGGGAGACCATCCCTGAGGAGGATCTGGAGGTCCAAGAGAACAATGAGGAT
GCTGCTCATGTTTTAGCGGAACTGGAGGTAACGATGCACCATGCTCTTACAGGAAGTG
GACGTTGTGGTAGCACCATGCCAAGGCCTCCGGCCACAGTGGATGTTCTGGGTGACTTG
GTGAATGATTTCTGCCTGTGATAACCTATGCACTCCACAAGATGAACTCTCTGAGAGG
GATGAGCAAGAGCTTCAGGAAATCCGAAAGTATTTCTCTTTCTGTATTCTTTTTCAA
GTGCCGAAACTGGGCTCGGAGATAATAGACTCCTCAACCAGGAGAATGGAGAGCGAAAGA
TCACCGCTTTATCGCCAGCTAATTGACCTGGGCTATCTGAGCAGCAGTCACTGAACTGT
GGGGCTCCTGGCCAGGATACTAAAGCTCAGAGCATGTTGGTGGAAACAGAGTGAAAAGCTG
AGACACTTGAGCACATTTTCTCACCAGGTGTTACAGACTCGCCTGGTGGATGCAGCCAAG
GCCCTGAACCTGGTGCATGCCACTGCCTTGACATCTTTATTAACCAGGCATTTGACATG
CAGCGGGACCTGCAGTCACTCCCAAACGTCTGGAATATACTCGAAAAAGGAGAATGAG
TTGTATGAATCATTGATGAATATTGCCAACCGAAAGCAGGAGGAAATGAAGGATATGATT
GTTGAGACTTAATACCATGAAGGAGAACTTCTGGATGATGCTACTAACATGGAGTTT
AAAGACGTCATTGTCCCTGAGAATGGAGAACCAGTAGGCACCAGAGAGATCAAATGCTGC
ATCCGACAGATCCAGGAACTCATCATCTCCGACTTAATCAGGCAGTGGTAATAAGCTG
ATCAGCTCAGTGGATTACCTGAGGGAAAGCTTCGTCGGAACCCTGGAACGATGTCTGCAG

```



[View online »](#)

AGCCTGGAGAAGTCTCAGGATGTCTCAGTTCACATCACCAGTAATTATCTCAAACAGATC
 TTAATAGCTGCCTATCATGTTGAAGTACGTTTCACTCAGGGTCGTAGTTACAAGGATG
 CTATGGGAGCAAATCAAACAGATCATCCAGCGCATCACATGGGTGAGCCACCTGCCATC
 ACTCTGGAATGGAAGAGGAAGGTGGCCAGGAAGCATTGAGAGCCTCAGCGCTCCAAA
 TTGGCTAAGAGCATTTGCAGCCAATCCGACTCGGCTCAATAGTTCCCACGAGGCTTTT
 GCAGCCTCCTTGCAGCAGCTGGAAGCTGGCCACTCAGGCCGTTAGAGAAAACGGAAGAT
 CTATGGCTGAGGGTTCGAAAGATCATGCTCCCCGCTGGCCCGCTTTCTCTGGAAAGC
 CGTTCTTTACAGGATGTCTTGCCTCATCGTAAACCTAAACTGGGACAGGAAGTGGCCGG
 GGCCAGTATGGTGTGGTATACCTGTGTGACAACTGGGGAGGACACTTTCCTTGTGCCCTC
 AAATCAGTTGTCCCTCCAGATGAGAAGCACTGGAATGATCTGGCTTTGGAATTTCACTAT
 ATGAGGTCTCTGCCAAGCATGAGCGATTGGTGGATCTCCATGGTTCAGTCATTGACTAC
 AACTATGGTGGTGGCTCCAGCATTGCTGTGCTCCTCATTATGGAGCGGCTACACCGGGAT
 CTCTACACAGGGCTGAAGCTGGGCTGACCCTGGAGACACGTTTGCAGATAGCACTAGAT
 GTGGTGGAGGGAATCCGCTTCTGCACAGCCAGGGACTTGTCCATCGTGATATCAAAGT
 AAAATGTGCTGTGGATAAGCAGAACCCTGCCAAGATCACTGACTTAGGATTCTGCAAG
 CCAGAGGCCATGATGTACAGCAGCATTGTGGGGACCAATCCATATGGCCCTGAAGT
 TTCACAGGGAAGTACGATAATCCGTGGATGTCTACGCTTTTGGAAATCTTTTCTGGTAT
 ATCTGCTCAGGCTCTGTCAAGCTCCCTGAGGCATTTGAGAGGTGTGCTAGCAAAGACCAT
 CTCTGGAACAATGTGCGGAGGGGGCTCGCCAGAACGCTTCTCTGTGTTTGTGAGGAG
 TGCTGGCAGTTGATGGAAGCCTGTTGGGATGGCGACCCCTTGAAGAGGCCTCTCTGGGC
 ATGTCCAGCCCATGCTCCAGGGCATCATGAATCGGCTCTGCAAGTCCAATTCTGAGCAG
 CCAAACAGAGGACTAGATGATTCTACTTGA

Clone variation with respect to NM_015375.2
 1921 t=>c;2028 c=>t

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_015375 unedited
 ATACGACTGACTATAGGGCGGCCGGAATTCGGCACAGGCGGGAGGAGGGAGGCCGGG
 CCTGCGCCGGGGACCGAGCCGCAAAGACAGAGCGGGCAGAGGCGATGGAGGGCGACGGG
 GTGCCATGGGGCAGCAGCCCGTCTCGGGTCCCGCCCCGGCGGGCGGAATGATCCGC
 GAGCTGTGCCGGGCTTCGGCCGCTACCGCCGCTACCTGGGACGGCTGCGACAGAACCTG
 CGCGAGACCCAGAAGTCTTCCGCGACATCAAGTGTCCACAACCACACTTGTCTCTCC
 TCCCTCACGGGCGGCGGGGGCCGAGCGGGCCCTGCAGGCGATGTCCGCGAAACCGGG
 CTGCAGGCGGGCCAACTGAGCTGCATTTCTTCCACCTAAGGAAGAGAAGTACCTCCAG
 CAGATTGTGGACTGCCTCCCTTGCATACTGATCCTCGGCCAGGATTGTAACGTCAAGTGC
 CAGCTGTTGAATCTGCTGTTGGGGTGCAGGTGCTTCCCACCACCAAGCTGGGCAGTGAG
 GAGAGCTGTAAGCTTCGGCGCCTCCGCTTACCTATGGGACTCAGACTCGGGTCAGCCTG
 GCGCTCCCTGGACAGTATGAACTAGTGACACGCTGGTTGCTATCAGGCAACTGGGAGAC
 CATCCTGAGGAGATCTGAGTCAAGAGAACATGGGATGCTGTATGTTTAGCGACTGGAGT
 ACGATCACATGTCTTACAGAATGACGTGTGG

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015375 unedited CTTCCACGCCAGGAGAGGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGATCTGTTCA GGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTCT CTTTTCAGGGCCTCTGGTGATGTAACAGTGAAACCTCCCCAGAAACCAGGGATATGT GGTCCATAAAATGTAACACACTGGCACTATGAGGAACAGATAGCTCTGTTTCTAGCTCC CTCACCTGGGACTTCTGACCATTGCAACCTGAGATACCTGGCTGCAGACAGCAGGAACCAG ACATCCACAAGTTATTGTTTTTGTCCCATGTTTTTCATAATCCCAGAACTAAGCTCAAAT TTTCTGAGTCCTGACTAAACTATTCTAGCTAGAGCCAAAATCATGAGAATGAGATTTT TTAACACTATTGCCACTGCACTGTCCTGCTGCTTGAAGTATATACAGTGAAAAG ACAATGGTAAACATCTGCCTCCTTTTCATTTGTGAAGCCAGAACCACATTCTCAGCTT TTACACATCTGAGACACTTTTTTGTAAAGGGATAGCTTGGCGCTTCAGTGAGCTGCTGA ATATGCTCAGTCATTCAACTCTTCACTGTCCAGGAGTCATCCNTGCCTGGGAAGTTCCA AGTTTCCCAGCAAGCACCAGTTCCTTGGGAGTGTCTCCTATAGTGAATAAATGTCAAAT TCTCCCNATGGGCCAAAGGTGAGGGGGAAGGAAATACTAGAGAGTGAAAGAGAAGG
Restriction Sites:	NotI-NotI
ACCN:	NM_015375
Insert Size:	3800 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:	<u>NM_015375.1</u> , <u>NP_056190.1</u>
RefSeq Size:	7889 bp
RefSeq ORF:	2790 bp
Locus ID:	25778
UniProt ID:	<u>Q6XUX3</u>
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome, Protein Kinase

Gene Summary:

This gene encodes a dual serine/threonine and tyrosine protein kinase which is expressed in multiple tissues. It is thought to function as a regulator of cell death. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]

Transcript Variant: This variant (1) encodes the longer isoform (1).