

## Product datasheet for **SC107082**

### **RIPK5 (DSTYK) (NM\_199462) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RIPK5 (DSTYK) (NM_199462) Human Untagged Clone
Tag:	Tag Free
Symbol:	DSTYK
Synonyms:	CAKUT1; DustyPK; HDCMD38P; RIP5; RIPK5; SPG23
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_199462, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGGCGACGGGGTGCCATGGGGCAGCGAGCCCGTCTGGGTCCCAGCCCGGGCGGGCGGGAATGA
TCCGCGAGCTGTGCCGGGGCTTCGGCCGCTACCGCCGCTACCTGGGACGGCTGCGACAGAACCTGCGCGA
GACCCAGAAGTTCTTCCGCGACATCAAGTGTCTCCACAACCACACTTGTCTCTCCTCCCTCACGGGCGGC
GGCGGGGCGAGCGCGGCCCTGCAGGCGATGTCGCCGAAACCGGGCTGCAGGCGGGCCAACTGAGCTGCA
TTTCTTCCCACCTAAGGAAGAGAAGTACCTCCAGCAGATTGTGGACTGCCTCCCTTGCATACTGATCCT
CGGCCAGGATTGTAACGTCAAGTGCCAGCTGTTGAATCTGCTGTTGGGGTGCAGGTGCTTCCCACCACC
AAGCTGGGCACTGAGGAGAGCTGTAAGCTTCGGCGCCTCCGCTTACCTATGGGACTCAGACTCGGGTCA
GCCTGGCGCTCCCTGGACAGTATGAACTAGTGCACACGCTGGTTGCTCATCAGGGCAACTGGGAGACCAT
CCCTGAGGAGGATCTGGAGGTCCAAGAGAACAATGAGGATGCTGCTCATGTTTTAGCGGAACTGGAGGTA
ACGATGCACCATGCTCTTTACAGGAAGTGGACGTTGTGGTAGCACCATGCCAAGGCTCCGGCCACAG
TGGATGTTCTGGGTGACTTGGTGAATGATTTCTTGCCTGTGATAACCTATGCACTCCACAAGATGAACT
CTCTGAGAGGGATGAGCAAGAGCTTCAGGAAATCCGAAAGTATTTCTCCTTTCCTGTATTCTTTTCAA
GTGCCGAAACTGGGCTCGGAGATAATAGACTCCTCAACCAGGAGAATGGAGAGCGAAAGATCACCGCTT
ATCGCCAGCTAATTGACCTGGGCTATCTGAGCAGCAGTCACTGGAAGTGTGGGGCTCCTGGCCAGGATAC
TAAAGCTCAGAGCATGTTGGTGGAAACAGAGTGAAGGCTGAGACACTTGAGCACATTTTCTCACCAGGTG
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TTAACCAGGCATTTGACATGCAGCGGGACTGCAGTCACTCCAAACGCTCTGGAATATACTCGAAAAA
GGAGAATGAGTTGATGAATCATTGATGAATATGCCAACCGAAAGCAGGAGGAAATGAAGGATATGATT
TTTGACACTTAATACCATGAAGGAGGAACCTCTGGATGATGCTACTAACATGGAGTTTAAAGACGTCA
TTGTCCCTGAGAATGGAGAACCAGTAGGCACCAGAGAGATCAAATGCTGCATCCGACAGATCCAGGAACT
CATCATCTCCCGACTTAATCAGGCAGTGCTAATAAGCTGATCAGCTCAGTGGATTACCTGAGGGAAAGC
TTCGTGCGAACCTGGAACGATGTCTGCAGAGCCTGGAGAAGTCTCAGGATGTCTCAGTTCACATCACCA
GTAATTATCTCAAACAGATCTTAAATGCTGCCTATCATGTTGAAGTACGTTTCACTCAGGGTCTGCAGT
TACAAGGATGCTATGGGAGCAAATCAAACAGATCATCCAGCGCATCATGGGTGAGCCACCTGCCATC
ACTCTGGAATGGAAGAGGAAGGTGGCCAGGAAGCCATTGAGAGCCTCAGCGCTCCAAATTGGCTAAGA
GCATTTGCAGCCAATCCGGACTCGGCTCAATAGTTCCACGAGGCTTTTGCAGCCTCCTTGCGGCAGCT
GGAAGCTGGCCACTCAGGCCGTTAGAGAAAACGGAAGATCTATGGCTGAGGGTTCGGAAGATCATGCT
CCCCGCTGGCCCGCCTTCTCTGGAAAGCTGTTCTTTACAGGATGCTTGTCTCATCGTAAACCTAAAC
TGGGACAGGAACTGGGCCGGGGCCAGTATGGTGTGGTATACCTGTGTGACAACTGGGGAGGACACTCCC
TTGTGCCCTCAAATCAGTTGTCCCTCCAGATGAGAAGCACTGGAATGATCTGGCTTTGGAATTTCACTAT
ATGAGGTCTCTGCCAAGCATGAGCGATTGGTGGATCTCCATGGTTCACTGACTACAACATATGGTG
GTGGCTCCAGCATTGCTGTGCTCCTCATTATGGAGCGGTACACCGGGATCTCTACACAGGGCTGAAGGC
TGGGCTGACCTGGAGACAGTTTGCAGATAGCACTAGATGTGGTGGAGGGAATCCGCTTCTGCACAGC
CAGGGACTTGCCATCGTGATATCAAACGAAAAATGTGCTGCTGGATAAGCAGAACCCTGCCAAGATCA
CTGACTTAGGATTCTGCAAGCCAGAGGCCATGATGTCAGGCAGCATTGTGGGGACACCAATCCATATGGC
CCCTGAACTTTTACAGGGGCTCGCCAGAACGCTTCTCTGTGTTTATGAGGAGTGTGCGCAGTTGATG
GAAGCCTGTTGGGATGGCGACCCCTTGAAGAGGCTCTCTTGGGATTGTCCAGCCCATGCTCCAGGGCA
TCATGAATCGGCTCTGCAAGTCCAATTCTGAGCAGCAAACAGAGGACTAGATGATTCTACTTGA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_199462 unedited CATAGGGCGGCCGCGATTTCGGCACGAGGCCCTCACGGGCGGCGGGCCGAGCGCGGC CCTGCAGGCGATGTCGCCGAAACCGGGCTGCAGGCGGGCCAAGTGCATTTCTTC CCACCTAAGGAAGAGAAGTACCTCCAGCAGATTGTGGACTGCCTCCCTTGCACTGATC CTCGGCCAGGATTGTAACGTCAAGTGCCAGCTGTTGAATCTGCTGTTGGGGTGCAGGTG CTTCCCACCACCAAGCTGGGCAGTGAGGAGAGCTGTAAGCTTCGGCGCCTCCGCTTACC TATGGACTCAGACTCGGGTCAGCCTGGCGCTCCCTGGACAGTATGAAGTGTGCACACG CTGGTTGCTCATCAGGGCAACTGGGAGACCATCCCTGAGGAGGATCTGGAGGTCCAAGAG AACAAATGAGGATGCTGCTCATGTTTTAGCGGAACTGGAGGTAACGATGCACCATGCTCTC TTACAGGAAGTGGACGTTGTGGTAGCACCATGCCAAGGCCCTCCGGCCACAGTGGATGTT CTGGGTGACTTGGTGAATGATTTCTTGCCTGTGATAACCTATGCACTCCACAAAGATGAA CTCTCTGAGAGGGATGAGCAAGAGCTTCAGGAAATCCGAAAGTATTTCTCCTTCTCTGTA TTCTTTTTCAAAGTGCCGAAACTGGGCTCGGAGATAATAGACTCCTCAACCGGAGAATGG AGAGCGAAAGATACCGCTNTATCGCCAGCTAATTGACCTGNGCTATCTGAGCAGCAGTA CTGGAAGTGTGGGCTCCTGGCCAGATACTAAGCTCANACATGNTGGTGGAACAGAGTAA AAGCTGAGACC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_199462
<b>Insert Size:</b>	3500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<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>	<a href="#">NM_199462.1</a> , <a href="#">NP_955749.1</a>
<b>RefSeq Size:</b>	7754 bp
<b>RefSeq ORF:</b>	2655 bp
<b>Locus ID:</b>	25778
<b>UniProt ID:</b>	<a href="#">Q6XUX3</a>
<b>Cytogenetics:</b>	1q32.1
<b>Protein Families:</b>	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 (2) lacks an in-frame exon in the 3' coding region, as compared to variant 1. The encoded isoform 2 is missing an internal segment, as compared to isoform 1.