

Product datasheet for **RG208819**

RIPK5 (DSTYK) (NM_199462) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RIPK5 (DSTYK) (NM_199462) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RIPK5
Synonyms:	CAKUT1; DustyPK; HDCMD38P; RIP5; RIPK5; SPG23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208819 representing NM_199462
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGCGACGGGTGCCATGGGGCAGCGAGCCGCTCTCGGGTCCCGCCCCGGCGGGCGGGAATGA
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 GACCCAGAAGTTCTTCCGCGACATCAAGTGCTCCACACAACCACACTTGTCTCTCCTCCCTCACGGGCGGC
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 GAAGCCTGTTGGGATGGCGACCCCTTGAAGAGGCCTCTTGGGCATTGTCCAGCCCATGCTCCAGGGCA
 TCATGAATCGGCTCTGCAAGTCCAATTCTGAGCAGCCAAACAGAGGACTAGATGATTCTACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208819 representing NM_199462
 Red=Cloning site Green=Tags(s)

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MEGDGVPWGSEPVSGPGGGGMIRELCRGFGRYRRYLGRRLRQNLRETQKFFRDIKCSHNHTCLSSLTGG
GGAERGPAGDVAETGLQAGQLSCISFPPKEEKYLQQIVDCLPCILILGQDCNVKQQLNLLLGVQVLPPT
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VETLNTMKEELDDATNMEFKDVI VPENGEVGTREIKCCIRIQELIISRLNQA VANKLISSVDYLRES
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MRS LPKHERLVDLHGSVIDYNYGGGSSIAVLLIMERLHRDLYTGLKAGL TLETRLQIALDVVEGIRFLHS
QGLVHRDIKLNKLVLLDKQNRAKITDLGFCKPEAMMSGSI VGTPIHMAPELFTGARPERLPVFDEECWQLM
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TRTRPLE - GFP Tag - V

Restriction Sites:

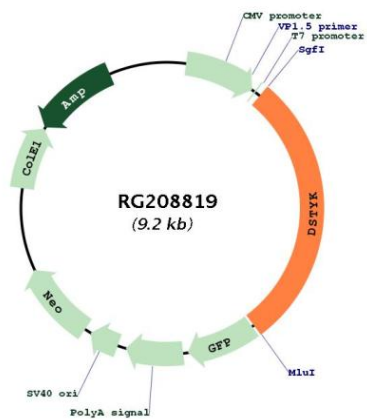
SgfI-MluI

Cloning Scheme:



ACCN:	NM_199462
ORF Size:	2652 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_199462.1 , NP_955749.1
RefSeq Size:	7754 bp
RefSeq ORF:	2655 bp
Locus ID:	25778
UniProt ID:	Q6XUX3
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]

Product images:



Circular map for RG208819