

Product datasheet for RR201320

Pigu (NM_181637) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pigu (NM_181637) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pigu
Synonyms:	Cdc9111; LRRGT00059; sakura
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201320 representing NM_181637 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCTCCCTTGGCCCTGGTCTTGTGGTGGCCGTGACTGTGAGGGCGGCCCTGTTTCGTTCCAGTT
TGGCCGAGTTCATTTCCGAGAGGGTGGAGGTGGTGTCTCCATTGAGCTCTTGAAGAGAGTGGTTGAAGG
CCTTGCAGTGTGGATCTGGGAGTATCTCCGATTTCTGGAGCAGTATTTTCATGAACTCCATTAATAATA
TACCTCTTTCATTTCTAATTGACTATGCAGAATTGGTATTTATGATAACAGATGCCCTCACTGCTATTG
CCCTGTATTTTGAATTCAGGACTTCAATAAAGTTGTGTTTTAAAAAGCAGAACTTCTCCTAGAGCTGGA
CCAGTATGCCCGAGATGTGGCCGAACCTATCCGGACACCTATGGAAATGCGCTACATCCCTCTGAAAGTG
GCCCTGTCTATCTCCTGAATCCCTACACGATCTTGTCTTGTGTTGCCAAGTCTACCTGCGCCATCAACA
ACACCCTCATTGCTTTCTTCAATTTGACCACAATAAAGGCAGCGTTTTCTCAGTGCTATTTTTCTTGC
CTTAGCAACATACCAGTCTCTGTACCAATCACCTTGTGTTGCCCGAGACTTCTCTATCTCCTCCAGCGG
CAGTACATCCCTGTTAAAGTGAAGAGCAAAGCCTTCTGGATCTTCTCTGGGAGTATGCCATGATGTACA
CAGGAAGCCTAGTGGTAATAGTTTGCCTCTCTTCTTCTCAGCTCCTGGGATTTTCATCCCTGCAGT
CTACGGTTTTCATACTTTCTGTTCCAGATCTCACTCCAAACATCGGTCTTTTCTGGTACTTCTTTGCAGAG
ATGTTTGAGCACTTCAGCCTCTTTTTTGTCTGCGTGTTCAGATCAACGCTTCTTCTACACAGTCCCT
TAGCCATCAAGTTAAAGGAGCACCCATCTTCTCATGTTTATTGAGATTGCCATCATCTCTATCTTCAA
GTCCTATCCAACCGTGGGCGATGTGGCCCTCTACATGGCTTTCTCCCTGTGGAGCCATCTCTACAGA
TTCCTACGGAACATCTTCGTCCTCACCTGCATCATATTGTCTGCTCTTCTCTTCCCTGTCTGTGGC
ACCTATGGATTTACGAGGAAGTCCAACCTCAACTTCTTTTATGCCATCACACTGACCTTCAATGTTGG
GCAGATCTGCTCATCTCTGACTACTTCTACGCCCTTCTGCGACGGGAGTATTACCTCACGCATGGTCTC
TACTTGACTGCCAAGGACGGCACTGAGGCCATGCTTGTGCTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201320 representing NM_181637
Red=Cloning site Green=Tags(s)

MAAPLALVLVAVTVRAALFRSSLAEFISERVEVVSPLSSWKRVEGLALLDLGVSPYSGAVFHETPLII
 YLFHFLIDYAELVFMITDALTAIALYFAIQDFNKVVFKKQKLLLELDQYAPDVAELIRTPMEMRYIPLKV
 ALFYLLNPYITILSCVAKSTCAINNTLIAFFILTTIKGSVFLSAIFLALATYQSLYPITLFPAPGLLYLQR
 QYIPVKVKSFAWIFSWEYAMMYTGSLLVIVCLSFLLSSWDFIPAVYGFILSVPDLTPNIGLFWYFFAE
 MFEHFSLFFVCFQINVFYTVPLAIKLKEHPIFFMFIQIAIISIFKSYPTVGDVALYMAFFPVWVSHLYR
 FLRNIFVLTCTIIVCSLLFPVLWHLWIYAGSANSNFFYAITLTFNVGQILLISDYFYAFLRREYLLTHGL
 YLTAKDGTTEAMLVLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

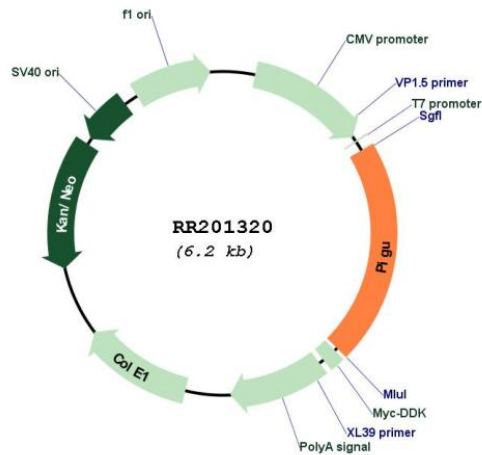
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_181637

ORF Size:	1305 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_181637.1 , NP_853668.1
RefSeq Size:	1623 bp
RefSeq ORF:	1308 bp
Locus ID:	353304
UniProt ID:	Q8CHJ1
Cytogenetics:	3q41
MW:	50 kDa
Gene Summary:	subunit of GPI transamidase that attaches GPI-anchors to proteins [RGD, Feb 2006]