

Product datasheet for **RG207146**

PIGU (NM_080476) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGU (NM_080476) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PIGU
Synonyms:	CDC91L1; GAB1; GPIBD21; NEDBSS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207146 representing NM_080476 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTCCCTTGGTCTGGTCTGGTGGTGGCTGTGACAGTGC GGCGGCCTTGTCCGCTCCAGTC
TGGCCGAGTTCATTTCCGAGCGGGTGGAGGTGGTGTCCCACTGAGCTCTTGAAGAGAGTGGTTGAAGG
CCTTTCACTGTTGGACTTGGGAGTATCTCCGATTCTGGAGCAGTATTTGAACTCCATTAATAATA
TACCTCTTTCATTTCTAATTGACTATGCTGAATTGGTGTATGATAACTGATGACTCACTGCTATTG
CCCTGTATTTGCAATCCAGGACTTCAATAAAGTTGTGTTTAAAAAGCAGAACTCCTCTAGAAGTGA
CCAGTATGCCCCAGATGTGGCCGAACATCCGGACCCCTATGGAAATGCGTTACATCCCTTTGAAAGTG
GCCTGTCTATCTTAAATCCTTACACGATTTGTCTTGTGTTGCCAAGTCTACCTGTGCCATCAACA
ACACCCTCATTGCTTTCTTCAATTTGACTACGATAAAAGGCAGTGCTTTCCTCAGTGCTATTTTTCTTGC
CTTAGCGACATACCAGTCTCTGTACCCACTCACCTTGTGTGCCAGGACTCCTCTATCTCCTCCAGCGG
CAGTACATACCTGTGAAAATGAAGAGCAAAGCCTTCTGGATCTTTCTTGGGAGTATGCCATGATGATG
TGGGAAGCCTAGTGGTAATCATTGGCTCTCCTTCTCCTCTCAGCTCTGGGATTTATCCCCGCAGT
CTATGGCTTTATACTTTCTGTCCAGATCTCACTCAAACATTGGTCTTTCTGGTACTTCTTTGCAGAG
ATGTTTGAGCACTTCAGCCTCTTCTTTGTATGTGTGTTTCAGATCAACGCTTCTTACACCATCCCCT
TAGCCATAAAGCTAAAGGAGCACCCATCTTCTCATGTTTATCCAGATCGCTGTATCGCCATCTTTAA
GTCCTACCCGACAGTGGGGACGTGGCGCTCTACATGGCCTTCTTCCCGTGTGGAACCATCTCTACAGA
TTCCTGAGAAACATCTTTGCTCACCTGCATCATCATGCTGTGTCCCTGCTCTTCCCTGTCTGTGGC
ACCTCTGGATTTATGCAGGAAGTCCAACCTCTAATTTCTTTATGCCATCACACTGACCTTCAACGTTGG
GCAGATCTGCTCATCTGATTACTTCTATGCCTTCTGCGGCGGGAGTACTACCTCACACATGGCCTC
TACTTGACCGCAAGGATGGCACAGAGGCCATGCTCGTCTCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207146 representing NM_080476
 Red=Cloning site Green=Tags(s)

MAAPLVLVVAVTVRAALFRSSLAEFISERVEVVSPLSSWKRVVEGLSLLDLGVSPYSGAVFHETPLII
 YLFHFLIDYAELVFMITDALTAIALYFAIQDFNKVVFKKQKLLLELDQYAPDVAELIRTPMEMRYIPLKV
 ALFYLLNPYTIILSCVAKSTCAINNTLIAFFILTTIKGSAFLSAIFLALATYQSLYPLTLFVPGLLYLLQR
 QYIPVKMKSKAFWIFSWEYAMMYVGSLVVVIICLSFFLLSSWDFIPAVYGFILSVPDLTPNIGLFWYFFAE
 MFEHFSLFFVCFQINVFFYTIPLAIAIKLKEHPIFFMFIQIAVIAIFKSYPTVGDVALYMAFFPVWNHLYR
 FLRNIFVLTCIIIVCSLLFPVLWHLWIYAGSANSNFFYAITLTFNVGQILLISDYFYAFLRREYYLTHGL
 YLTAKDGTTEAMLVLK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_080476

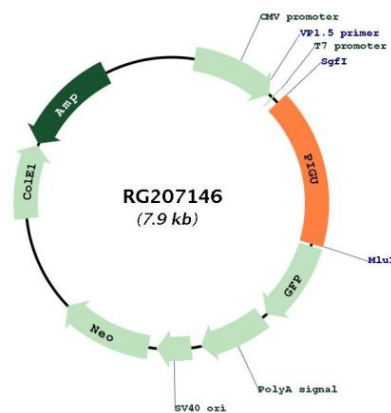
ORF Size: 1305 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_080476.5
RefSeq Size:	1833 bp
RefSeq ORF:	1308 bp
Locus ID:	128869
UniProt ID:	Q9H490
Cytogenetics:	20q11.22
Protein Families:	Transmembrane
Protein Pathways:	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
Gene Summary:	The protein encoded by this gene shares similarity with <i>Saccharomyces cerevisiae</i> Cdc91, a predicted integral membrane protein that may function in cell division control. The protein encoded by this gene is the fifth subunit of GPI transamidase that attaches GPI-anchors to proteins. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207146