

Product datasheet for **RG239747**

PIGG (NM_001289051) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIGG (NM_001289051) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PIGG
Synonyms:	GPI7; LAS21; MRT53; PRO4405; RLGS1930
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239747 representing NM_001289051.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCCCTACACAACCTTACCTTGTGGAAAAAGGAGCATCTCACAGTTTTGTGGCTGAAGCAAAGCCACCT
ACAGTTACTATGCCTCGAATCAAGGCATTGATGACGGGGAGCCTTCTGGCTTTGTCGACGTCATCAGG
AACCTCAATTCTCTGCACTGCTGGAAGACAGTGTGATAAGACAAGCAAAGCAGCTGGAAAAAGAATA
GTCTTTTATGGAGATGAAACCTGGGTAAATTATTCCAAAGCATTGTGGAATATGATGGAACAACC
TCATTTTTCGTGTGAGTTACACAGAGGTGGATAAATGTCACGAGGCATTTGGATAAAGTATTAATA
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CCTGTGCTGTGGGCCAGCCACTTGTGCACTTCTGAGCTCAGAAAACAGCAGTGGTTTCAGCACTGAGT
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CTGCGTTATCATTTATATGGAGTGTATTTCTCCAAAACCTCTCTACGAGGGAATGCACCTGCTC
ATTACAGTGTCTGTGTATTCTTACGGCAATGGATCAAACCAGACTCACACAGTCT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
  
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Protein Sequence: >Peptide sequence encoded by RG239747
Blue=ORF Red=Cloning site Green=Tag(s)

MPYTTYLVEKGASHSFVAEAKPPTVTMPRIKALMTGSLPGFVDVIRNLNSPALLED SVIRQAKAAGKRI
VFYGDETWVKLFPKHFVEYDGTTSFFVSDYTEVDNNVTRHLDKVLKRGDWDILILHYLGLDGHIGHISGP
NSPLIGQKLEMSDVLMKIHTSLQSKERETLPNLLVLCGDHGMSETGSHGASSTEEVNTPLILISSAF
ERKPGDIRHPKHVQQTDAATLAIALGLPIPKDSVGSLLFPVVEGRPMREQLRFLHLNTVQLSKLLQEN
VPSYEKDPGFEQFKMSERLHGNWIRLYLEEKHSEVLFNLGSKVLRQYLDALKTLSSL SAQVAQYDIYS
MMVGTVVVLEVL TLLLLSVPQALRRKAELEVPLSSPGFSLLFYLVILVLSAVHVI VCTSAESSCYFCGL
SWLAAGGVMVLASALLCVIVSVL TNVLVGGNTPRKNPMHPSSRWSELDLLILLGTAGHVLSLGASSFVE
EEHQTYWFLVNTLCLALSQETYRNYFLGDDGEPCCGLCVEQGHGATAAWQDGP GCDVLERDKGHGSPS
TSEVLRGREKWMVLASPWILACCRLRLSLNQTGVQWAHRPDLGHWLTSSDHKAELSVLAALSLLVVFV
LVQRCSPVSKAALALGLLGVYCYRAAIGSVRFPWRPDSKDISKGIIEARFVYVFLGILFTGTDLLK
SQVIAADFKLKTVGLWEIYSGLVLLAALLFRPHNLPVLAFLLIQTLMTKFIWKPLRHDAAEITVMHYW
FGQAFFYFQGN SNNIATVDISAGFVGLD TYVEIPAVLLTAFGT YAGPVLWASHLVHFLSSETRSGSALS
HACFCYALIC SIPVFYI VLVTSLRYHLFIWSVFS PKLLYEGMHL LITAAVCVFF TAMDQTRLTQS
TRTRPLEME SDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYP SGYENPFLHAINNGGYTNTRIEKYEDGGVLHV SF SYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001289051

ORF Size: 2682 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).

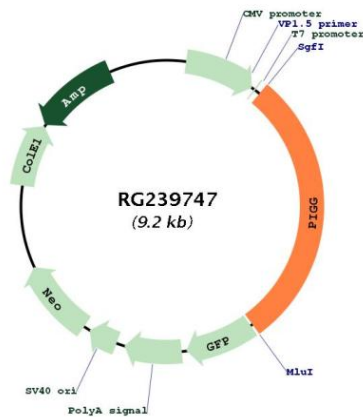
RefSeq: [NM_001289051.1](#), [NP_001275980.1](#)

RefSeq Size: 3449 bp

RefSeq ORF: 2685 bp

Locus ID:	54872
UniProt ID:	Q5H8A4
Cytogenetics:	4p16.3
Protein Families:	Transmembrane
Protein Pathways:	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis
MW:	99.3 kDa
Gene Summary:	This gene encodes an enzyme involved in glycosylphosphatidylinositol-anchor biosynthesis. The encoded protein, which is localized to the endoplasmic reticulum, is involved in transferring ethanolamine phosphate to mannose 2 of glycosylphosphatidylinositol species H7 to form species H8. Allelic variants of this gene have been associated with intellectual disability, hypotonia, and early-onset seizures. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RG239747