

Product datasheet for RC214528L4

PIGA (NM_002641) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PIGA (NM_002641) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: PIGA

Synonyms: GPI3; MCAHS2; PIG-A; PNH1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC214528).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_002641

ORF Size: 1452 bp



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PIGA (NM_002641) Human Tagged Lenti ORF Clone - RC214528L4

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: 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: <u>NM 002641.1</u>

 RefSeq Size:
 3644 bp

 RefSeq ORF:
 1455 bp

 Locus ID:
 5277

 UniProt ID:
 P37287

Cytogenetics: Xp22.2

Domains: Glycos transf 1

Protein Families: Transmembrane

Protein Pathways: Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways

MW: 54.1 kDa

Gene Summary: This gene encodes a protein required for synthesis of N-acetylglucosaminyl

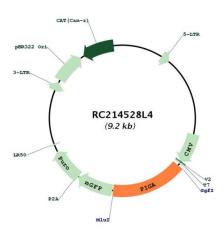
phosphatidylinositol (GlcNAc-PI), the first intermediate in the biosynthetic pathway of GPI anchor. The GPI anchor is a glycolipid found on many blood cells and which serves to anchor proteins to the cell surface. Paroxysmal nocturnal hemoglobinuria, an acquired hematologic disorder, has been shown to result from mutations in this gene. Alternate splice variants have

been characterized. A related pseudogene is located on chromosome 12. [provided by

RefSeq, Jun 2010]



Product images:



Circular map for RC214528L4