# Product datasheet for RC214470L4V

## PGP (NM_001042371) Human Tagged ORF Clone Lentiviral Particle

## Product data:

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|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | PGP (NM_001042371) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | PGP |
| **Synonyms:** | AUM; G3PP; PGPase |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001042371 |
| **ORF Size:** | 963 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC214470). |
| **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. |
| **RefSeq:** | NM_001042371.1 |
| **RefSeq Size:** | 1041 bp |
| **RefSeq ORF:** | 966 bp |
| **Locus ID:** | 283871 |
| **UniProt ID:** | A6NDG6 |
| **Cytogenetics:** | 16p13.3 |
| **Protein Pathways:** | Glyoxylate and dicarboxylate metabolism, Metabolic pathways |
| **MW:** | 33.8 kDa |

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**Gene Summary:** Glycerol-3-phosphate phosphatase hydrolyzing glycerol-3-phosphate into glycerol. Thereby, regulates the cellular levels of glycerol-3-phosphate a metabolic intermediate of glucose, lipid and energy metabolism. Was also shown to have a 2-phosphoglycolate phosphatase activity and a tyrosine-protein phosphatase activity. However, their physiological relevance is unclear (PubMed:26755581). In vitro, has also a phosphatase activity toward ADP, ATP, GDP and GTP (By similarity).[UniProtKB/Swiss-Prot Function]