

Product datasheet for **SC332321**

PGAP2 (NM_001256237) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PGAP2 (NM_001256237) Human Untagged Clone
Tag: Tag Free
Symbol: PGAP2
Synonyms: CWH43-N; FRAG1; HPMRS3; MRT17; MRT21
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332321 representing NM_001256237.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTAGATTGGGAAGCACCGGCGGGGTGTCGGGAAGGGTGGTGACGCAACATAGAGACTCCGCCCC  
TTCCTTGGAGCGCCGACTCGGGCTGAGGGAGCTCGGGCCAATCAGAGGGACGGCCCCAGAATGGCAT  
GGTAGATGGAACGCAGCTGAGAGGTCTGACAAGATGTACCAGGTCCCACTACCACTGGATCGGGATGGG  
ACCCTGGTACGGCTCCGCTTACCATGGTGGCCCTGGTCACGGTCTGCTGTCCACTTGTGCGCTTCTC  
TTCTGCATCCTCTGGTCCCTGCTTCCACTTCAAGGAGACAACGGCCACACACTGTGGGGTGCCCAAT  
TACCTGCCCTCGGTGAGCTCAGCCATCGGCGGGGAGGTGCCCCAGCGCTACGTGTGGCGTTTCTGCATC  
GGCCTGCACTCGGCGCCTCGCTTCTTGGTGGCCTTCGCCTACTGGAACCACTACCTCAGCTGCACCTCC  
CCGTGTTCTGCTATCGCCCGCTCTGCCGCTCAACTTCGGCCTCAATGTCGTGGAGAACCTCGCGTTG  
CTAGTGCTCACTTATGTCTCCTCCTCCGAGGACTTACCATCCACGAAAATGCTTTCATTGTGTTTATT  
GCCTCATCCCTCGGGCACATGCTCCTCACCTGCATTCTCTGGCGGTTGACCAAGAAGCACACAGTAAGT  
CAGGAGGTACGGTCTATCCCTAGCGGGGCTCCAAGGCAGCCCAGAAGAAAATCAAGGACATCTGTCTC  
CAGGATTCCGGTAATGGATCGCAAGTCTACAGCTGGAACAGCGGCTCTTCATCATCAACTTCATCTC  
CTTCTTCTCGGCGCTGGCTGTCTACTTTTCGGCACAAACATGTATTGTGA
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Restriction Sites: Sgfl-MluI
ACCN: NM_001256237
Insert Size: 876 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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: [NM_001256237.1](#)

RefSeq Size: 1967 bp

RefSeq ORF: 876 bp

Locus ID: 27315

UniProt ID: [Q9UHJ9](#)

Cytogenetics: 11p15.4

Protein Families: Druggable Genome, Transmembrane

MW: 32.1 kDa

Gene Summary: The protein encoded by this gene plays a role in the maturation of glycosylphosphatidylinositol (GPI) anchors on GPI-anchored proteins. Mutations in this gene are associated with an autosomal recessive syndrome characterized by hyperphosphatasia and intellectual disability. [provided by RefSeq, Jul 2017]
Transcript Variant: This variant (9) contains alternate 5' exon structure and thus differs in the 5' UTR and 5' coding region, lacks an alternate in-frame exon in the central coding region, and uses an alternate splice site that causes a frameshift in the 3' coding region, compared to variant 1. The encoded isoform (5) has distinct N- and C-termini and is shorter than isoform 1.