

Product datasheet for **SC312925**

PGAP2 (NM_014489) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PGAP2 (NM_014489) Human Untagged Clone
Tag:	Tag Free
Symbol:	PGAP2
Synonyms:	CWH43-N; FRAG1; HPMRS3; MRT17; MRT21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC312925 representing NM_014489. Blue=Insert sequence Red=Cloning site Green=Tag(s)

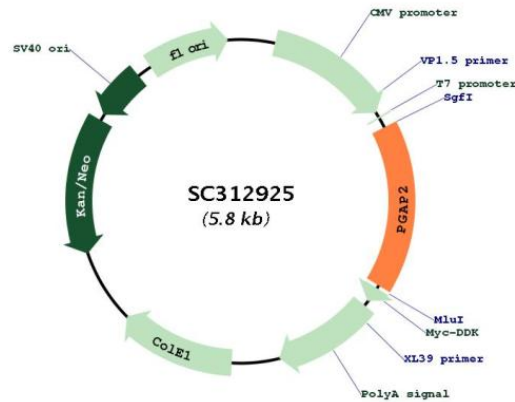
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTACCAGGTCCACTACCACTGGATCGGGATGGGACCCTGGTACGGCTCCGCTTCACCATGGTGGCC
CTGGTCACGGTCTGCTGTCCACTGTGCGCTTCTCTTCTGCATCCTCTGGTCCCTGCTCTTCCACTTC
AAGGAGACAACGGCCACACACTGTGGGGCCACGCCCTGCAGGATGTTCTCTGCGGCTCCAGCCTTTG
GACCCCGATGGGACCTTGTTCGGCTTCGCTTCACAGCCATGGTCTGGTGGGCCATCACTTTTCTGTG
TTCGGCTTCTTCTCTGCATCATCTGGTCCCTGGTGTTCCTTTGAGTACACGGTGGCCACTGACTGT
GGGGTGCCCAATTACCTGCCCTCGGTGAGCTCAGCCATCGCGGGGAGGTGCCCCAGCGCTACGTGTGG
CGTTTCTGCATCGGCTGCACTCGGCGCTCGCTTCTTGGTGGCCTTCGCCTACTGGAACCACTACCTC
AGCTGCACCTCCCGTGTTCCTGTATCGCCCGCTCTGCCGCTCAACTTCGGCCTCAATGTCGTGGAG
AACCTCGCGTTGCTAGTGCTCACTTATGTCTCCTCCTCCGAGGACTTCACCATCCACGAAATGCTTTC
ATTGTGTTCAATGCCATCCCTCGGGCACATGCTCCTCACCTGCATTCTCTGGCGGTTGACCAAGAAG
CACACAGTAAGTCAGGAGGATCGCAAGTCTACAGCTGGAACAGCGGCTTTCATCATCAACTTCATC
TCCTTCTTCTCGGCGCTGGCTGTCTACTTTCGGCACAAACATGATTGTGAGGCTGGAGTGTACCCATC
TTTGCCATCCTGGAGTACTGTGTTCTTAACCAACATGGCGTTCACATGACGGCCTGGTGGGACTTC
GGGAACAAGGAGCTGCTCATAACCTCTCAGCCTGAGGAAAAGCGATTCTGA
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_014489

Insert Size: 948 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: [NM_014489.3](#)

RefSeq Size: 2001 bp

RefSeq ORF: 948 bp

Locus ID:	27315
UniProt ID:	Q9UHJ9
Cytogenetics:	11p15.4
Protein Families:	Druggable Genome, Transmembrane
MW:	36.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>