

Product datasheet for **SC334815**

PGAP2 (NM_001283039) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PGAP2 (NM_001283039) 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:	>NCBI ORF sequence for NM_001283039, the custom clone sequence may differ by one or more nucleotides

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ATGGCTAGATTGGGAAGCACCGCGGGGTGTCGGGAAGGGTGGTGACGCAACATAGAGACTCCGCCCCCT
TCCTTGGAGCGCCGCGACTCGGGCTGAGGGAGCTCGGGCCAATCAGAGGGACGGCCCCAGAATGGCATGG
TAGATGGAACGCAGCTGAGAGGCAGGTTCCAGTCTGCGGGGAGATGGAGAAGGTGCCACCATGCTGCTG
CACAAATCCCAGGATAGCTGGGAATGAGAATCCAGCACTTTGGGCCTAGGACCTGGAAGGAGAGGTCTT
TTGGGAGAGGTGCCCAATTACCTGCCCTCGGTGAGCTCAGCCATCGCGGGGAGGTGCCCCAGCGCTACG
TGTGGCGTTTCTGCATCGGCCTGCACTCGGCGCCTCGCTTCTTGGTGGCCTTCGCCTACTGGAACCTA
CCTCAGCTGCACCTCCCGTGTTCCTGCTATCGCCCGCTCTGCCGCTCAACTTCGGCCTCAATGTCGTG
GAGAACCTCGCGTTGCTAGTGCTCACTTATGCTCCTCCTCCGAGGACTTCACCATCCACGAAAATGCTT
TCATTGTGTTTCATTGCCTCATCCCTCGGGCACATGCTCCTCACCTGCATTCTCTGGCGGTTGACCAAGAA
GCACACAGTAAGTCAGGAGGATCGCAAGTCCTACAGCTGGAAACAGCGGCTCTTCATCATCAACTTCATC
TCCTTCTCTCGGCGCTGGCTGTCTACTTTCGGCACAACATGTATTGTGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001283039
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).



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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:	<ol style="list-style-type: none">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_001283039.1, NP_001269968.1</u>
RefSeq Size:	1841 bp
RefSeq ORF:	750 bp
Locus ID:	27315
UniProt ID:	<u>Q9UHJ9</u>
Cytogenetics:	11p15.4
Protein Families:	Druggable Genome, Transmembrane
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 (18) uses an alternate exon structure in the 5' region compared to variant 1. The encoded isoform (10) is distinct and shorter, compared to isoform 1, but it shares regions in common with isoforms 5 and 7.</p>