

Product datasheet for **SC319177**

PGAP4 (NM_032342) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PGAP4 (NM_032342) Human Untagged Clone
Tag:	Tag Free
Symbol:	PGAP4
Synonyms:	C9orf125; TMEM246
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032342.1
 GCCGCTTTGGGGCCGCGGTCTCTCCGACGCTCGCGGGTCACATGGCCCCCTGAGCAAG
 GGGAGCCCTGCGCTGAGCTGCGAGGCGGGAGGAGGTGAGGCTCCGGCGCACACCCAAAC
 CGCGCTGCGCCCGCTCCTTCCGGGCCCGGAGATGGCGCTCCACCGGGATGAGCTAGCC
 AGCCTGGCAATACCAGAGGCGGCCCTCGGCGCGCGCAGGGGACCGAGCTGGTCGCCCCA
 ACCGGGTTTGATTCTGATGACTCTGGCCTGAGTTCAGGATGGTTTTTTCTTGGGACCA
 GACATGAACAAAAGTTGACCTCATGAGCACTTCAACCTCTCCAGCTGCCATGCTCCTCCG
 GAGGCTGCGGCGACTGTCTGGGGCAGCACTGCTGTCCAGCTCTTCATCCTAACAGTGGT
 GACGTTTGGCCTGCTGGCCCCCTGGCCTGTACCGACTTCTACACTCTTACTTCTATCT
 GCGCCATTGGCATCTGAACCAAATGAGCCAAGAGTTCTGCAGCAAAGCTTGAAAGAGGG
 TGAGGCTGCCCTCCACTATTTTGGAGAGCTTCCCTCTGCCAATGGCTCAGTGCCATTGT
 CTGGCAGGCCACCCCGGCCCTGGCTGGTGATCACCATCATCACTGTGGACAGGCAGCC
 TGGCTTCCACTACGTCTGCAGTTGTGTCCAGTTCCACCGGCTTCTCAGCAATGTGG
 CCCCCAGTGCGAGGGGCACCAACTTTCCTGTGCAACGTGGAGCGTAGTGTGAGCCATTT
 TGATGCCAAGTTGCTCTCCAAGTATGTCCCTGTGGCCAATCGCTATGAGGGCACTGAGGA
 TGATTATGGTGATGACCTTCGACCAACTCGTTTGAGAAAAGAGAAGCAGGACTATGTCTA
 TTGCTTGGAGTCATCCCTGCAGACCTACAACCCAGACTACGTCTCTGATGGTAGAAGACGA
 TGCTGTACCAGAAGAGCAGATCTTCCAGTCTTGGAGCACCTTCTGCGGGCTCGCTTCTC
 TGAGCCACATCTCAGAGATGCCCTTTATCTCAAGCTGTATCACCCGAGAGGCTCCAGCA
 CTACATCAATCCAGAGCCCATGCGGATCCTGGAATGGGTTGGTGTAGGCATGTTGCTGGG
 GCCCTTACTAACCTGGATATACATGAGGTTTCCAGCCGCCAGGGTTAGCTGGCCTGT
 AATGCTCTTCTTCCCTGTATAGCATGGGTCTGGTGGAGCTGGTGGGTCGGCACTATTT
 CCTGGAAGTGGCGCGCTGAGTCCTTCCCTGTACAGTGTGGTTCCTGCCTCTCAGTGTTG
 CACCCAGCCATGCTCTTCCCGGCACCTGCGGCCCGCGGACCCCTCACCTACCTGTCCCA
 AGTGTACTGCCACAAGGGCTTTGGCAAGGACATGGCACTGTACTCGCTGTTGAGGGCCAA
 GGGAGAGAGGGCCTATGTAGTGGAGCCGAACCTCGTGAACACATCGGGCTCTTCTCCAG
 TCTCCGGTACAACCTTTCATCCAGTCTCCTCTAGGGTGCCAAGAGATGCCTTTCTGAAGT
 TGGCCACTTCTTGAAGATTCAAATATTTATCTCTTTATTTAGACATGGTTGCCTGCAGGT
 ATTTCACTGTTTACTGTTGTTAGAGATATAGGCACTGGGCGAGCTGAGGAACCTCAATAT
 GTTAAGAGCCTTGGCTTTGGTAGCCTCCTGGCAGGAGCAGCAGTTTCCACAGGTCCGGA
 CCTCTCCCTCCACACAGCCACACTGCCTCATGCAGTCTGACCCACCCAGTGAGGGTGCAT
 TTGAACACTGATTATATTCTCCATTTGTTTTAAGCTCTGCTTTGTGTTAGAGCTTGTGA
 CTGCCAAAAATTTGTGCACAGTGATATGACTGTTTTAGGATCTTAAGGGTAGAATTTTG
 TGAAAGGTGAGATCCTTTGGAATTGAGTTCTTTCTATTGGGTATGAAAATGGATGTATG
 TTTAGAATATATGCCAACGAGGCGAGGACCATGTGGATAGATTCCATTTGTTTCTTGAC
 CTGATGTATAAAAACTGATAAAAGCCGTGCAGTGCCCGGCATCTTGAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_032342

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:	<u>NM_032342.1, NP_115718.1</u>
RefSeq Size:	2110 bp
RefSeq ORF:	1212 bp
Locus ID:	84302
UniProt ID:	<u>Q9BRR3</u>
Cytogenetics:	9q31.1
Protein Families:	Transmembrane
Gene Summary:	Golgi-resident glycosylphosphatidylinositol (GPI)-N-acetylgalactosamine transferase involved in the lipid remodeling steps of GPI-anchor maturation. Lipid remodeling steps consist in the generation of 2 saturated fatty chains at the sn-2 position of GPI-anchors proteins (PubMed:29374258). Required for the initial step of GPI-GalNAc biosynthesis, transfers GalNAc to GPI in the Golgi after fatty acid remodeling by PGAP2 (PubMed:29374258). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the same protein as variants 2 and 3. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.