

Product datasheet for **SC335896**

PGAP4 (NM_001303107) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PGAP4 (NM_001303107) Human Untagged Clone
Tag: Tag Free
Symbol: PGAP4
Synonyms: C9orf125; TMEM246
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC335896 representing NM_001303107.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGCACTTCAACCTCTCCAGCTGCCATGCTCCTCCGAGGCTGCGGCGACTCTCCTGGGGCAGCACT
GCTGTCCAGCTCTTCATCCTAACAGTGGTGACGTTTGGCCTGCTGGCCCCCTGGCCTGTCACCGACTT
CTACACTCTTACTTCTATCTGCGCCATTGGCATCTGAACCAAATGAGCCAAGAGTTCCTGCAGCAAAGC
TTGAAAGAGGGTGAGGCTGCCCTCCACTATTTTGGAGAGCTTCCCTCTGCCAATGGCTCAGTGCCCAT
GTCTGGCAGGCCACCCCGGCCCTGGCTGGTGATCACCATCATCACTGTGGACAGGCAGCCTGGCTTC
CACTACGTCCTGCAGTTGTGTCCAGTCCACCGGCTTCTTCAGCAATGTGGCCCCAGTGCGAGGGG
CACCAACTCTTCCTGTGCAACGTGGAGCGTAGTGTGAGCCATTTTGATGCAAGTTGCTCTCCAAGTAT
GTCCCTGTGGCCAATCGCTATGAGGGCACTGAGGATGATTATGGTGATGACCCCTTCGACCAACTCGTTT
GAGAAAGAGAAGCAGGACTATGTCTATTGCCTGGAGTCATCCCTGCAGACCTACAACCCAGACTACGTC
CTGATGGTAGAAGACGATGCTGTACCAGAAGAGCAGATCTTCCAGTCTTGGAGCACCTTCTGCGGGCT
CGCTTCTCTGAGCCACATCTCAGAGATGCCCTTATCTCAAGCTGTATCACCCCGAGAGGCTCCAGCAC
TACATCAATCCAGAGCCCATGCCGATCCTGGAATGGGTTGGTGATGGCATGTTGCTGGGGCCCTTACTA
ACCTGGATATACATGAGGTTTGCCAGCCGCCAGGGTTTAGCTGGCCTGTAATGCTCTTCTCTCCCTG
TATAGCATGGGTCTGGTGAGCTGGTGGGTCGGCACTATTTCTGGAAGTGGCGGCTGAGTCCTTCC
CTGTACAGTGTGGTTCTGCCTCTCAGTGTGGCAGCCAGCCATGCTCTTCCCGGCACCTGCGGCCCGC
CGGACCCCTCACCTACCTGTCCCAAGTGTACTGCCACAAGGGCTTTGGCAAGGACATGGCACTGTACTCG
CTGTTGAGGGCCAAGGAGAGAGGGCCTATGTAGTGGAGCCGAACCTCGTGAACACATCGGGCTCTTC
TCCAGTCTCCGGTACAACCTTTCATCCAGTCTCCTTAG
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001303107
Insert Size: 1212 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).


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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:	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_001303107.1</u>
RefSeq Size:	4348 bp
RefSeq ORF:	1212 bp
Locus ID:	84302
UniProt ID:	<u>Q9BRR3</u>
Cytogenetics:	9q31.1
Protein Families:	Transmembrane
MW:	46.6 kDa
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 (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same protein. 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.