

## Product datasheet for RC202289

### PGAP3 (NM\_033419) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PGAP3 (NM_033419) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PGAP3
Synonyms:	AGLA546; CAB2; hCOS16; PERLD1; PP1498
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202289 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGGCTGGCGGCGGTTGGTCTGCTAGCTGGGGCAGCGGCGCTGGCGAGCGGCTCCAGGGCG  
ACCGTGAGCCGGTGTACCGGACTGCGTACTGCAGTGCGAAGAGCAGAAGTCTGTTGGGGCGCTCTGAA  
TCACTTCCGCTCCCGCCAGCCAATCTACATGAGTCTAGCAGGCTGGACCTGTCGGGACGACTGTAAGTAT  
GAGTGTATGTGGTACCCTGGGCTCTACCTCCAGGAAGGTCAAAAGTGCCTCAGTTCATGGCAAGT  
GGCCCTTCTCCCGTTCTGTTCTTTCAAGAGCCGGCATCGCCCGTGGCCTCGTTTCTCAATGGCCTGGC  
CAGCCTGGTATGCTCTGCCGCTACCGCACCTTGGTGCCAGCCTCTCCCCATGTACCACACCTGTGTG  
GCCTTCGCCTGGGTGTCCTCAATGCATGGTCTGGTCCACAGTTTTCCACACCAGGGACACTGACCTCA  
CAGAGAAAATGGACTACTTCTGTGCCTCCACTGTCATCCTACACTCAATCTACCTGTGCTGCGTCAGGAC  
CGTGGGGCTGCAGCACCAGCTGTGGTCACTGCCTTCCGGGCTCTCTGCTGCTCATGCTGACCGTGCAC  
GTCTCCTACCTGAGCCTCATCCGCTTCCGACTATGGCTACAACCTGGTGGCCAACGTGGCTATTGGCTGG  
TCAACGTGGTGTGGTGGCTGGCCTGGTGCCTGTGGAACCAGCGGGCGTGCCTCACGTGCCAAGTGCCT  
GGTGGTGGTCTTGTGCTGCAGGGGCTGTCCCTGCTCGAGCTGCTTGACTCCCACCGCTCTTCTGGGTC  
CTGGATGCCATGCCATCTGGCAGCATCAGCACCATCCCTGTCCAGTCCCTTTTTCAGCTTTCTGGAAG  
ATGACAGCCTGTACCTGCTGAAGGAATCAGAGGACAAGTCAAGCTGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

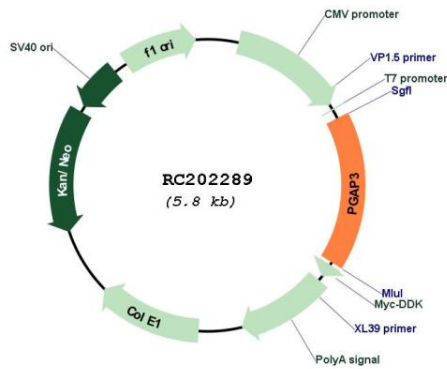


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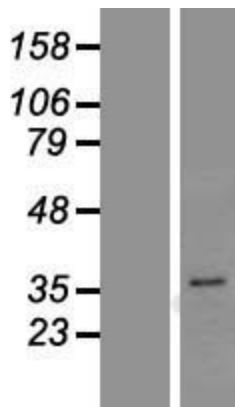


<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_033419.5</a>
<b>RefSeq Size:</b>	2721 bp
<b>RefSeq ORF:</b>	963 bp
<b>Locus ID:</b>	93210
<b>UniProt ID:</b>	<a href="#">Q96FM1</a>
<b>Cytogenetics:</b>	17q12
<b>Domains:</b>	Per1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	36.5 kDa
<b>Gene Summary:</b>	<p>This gene encodes a glycosylphosphatidylinositol (GPI)-specific phospholipase that primarily localizes to the Golgi apparatus. This ubiquitously expressed gene is predicted to encode a seven-transmembrane protein that removes unsaturated fatty acids from the sn-2 position of GPI. The remodeling of the constituent fatty acids on GPI is thought to be important for the proper association between GPI-anchored proteins and lipid rafts. The tethering of proteins to plasma membranes via posttranslational GPI-anchoring is thought to play a role in protein sorting and trafficking. Mutations in this gene cause an autosomal recessive form of neurologic hyperphosphatasia with cognitive disability (HPMRS4). Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2017]</p>

Product images:



Circular map for RC202289



Western blot validation of overexpression lysate (Cat# [LY409544]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202289 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).