

## Product datasheet for **RG206625**

### PHETA1 (NM\_144671) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHETA1 (NM_144671) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHETA1
Synonyms:	FAM109A; IPIP27A; SES1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206625 representing NM_144671 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCTGAACGAGCGCAGCCTGGCCTTCTACGCCACCTGTGACGCCCCGGTGGACAATGCAGGCTTCC  
TGTACAAGAAGGGTGGGCGGCACGCGCCTACCACCGCGCTGGTTCGTGCTGCGCGGAACATGCTCTT  
CTACTTCGAGGACGCTGCCAGCCGTGAGCCCGTGGCGTCATCATCCTGGAGGGCTGCACTGTGGAGCTG  
GTGGAGGCCGCCGAGGAGTTCGCCTTCGCTGTGCGCTTTCGGGGACCCGGCGCGCACCTACGTGCTGG  
CCGCTGAGAGTCAGGATGCCATGGAGGGCTGGGTCAAGGCCCTGTGCGTGCCAGCTTCGACTACCTGCG  
GCTGGTGGTGCAGGAGCTGGAGCAGCAGCTGGCGGCTGTACGTGGCGGGGGTGGCATGGCCCTGCCCCAG  
CCCCAGCCCCAGTCCCTGCCCTTCCCCCGTCCCTGCCCTCTGCCCTGGCCCCAGTCCCATCCCTGCCTT  
CTGCCCCAGCCCCGGTCCCAGCCCTGCCCTGCCCGCCGGCCAGTGCCTCCCGCCAAGGAGAATGG  
CTGCGCTGTCTGGAGCACTGAGGCCACCTTCAGGCCTGGACCCGAGCCCCCTCCACCACCGCCTCGCCCG  
CGGGCCTCGGCACCCACGGGCCCTGGACATGGCCCCCTTCGCCCGGCTGCACGAGTGCATGGCCAGG  
AGATCCGGGCCCTGCGTGGCCAGTGGCTCAGCAGCCGGTCCAGCCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206625 representing NM\_144671  
 Red=Cloning site Green=Tags(s)

MKLNERSLAFYATCDAPVDNAGFLYKKGGRHAAAYHRRWFVLRGNMLFYFEDAASREPVGVIILEGCTVEL  
 VEAAEEFAFVRFAGTRARTYVLAAESQDAMEGWVKALSRASFDYLRLLVRELEQQLAAVRGGGMALPQ  
 PQPQSLPLPPSLPSALAPVPSLPSAPAPVPALPLPRRPSALPPKENGCAVWSTEATFRPGPEPPPPPPRR  
 RASAPHGLDMAPFARLHECYGQEIRALRGQWLSSRVQP

TRTRPLE - GFP Tag - V

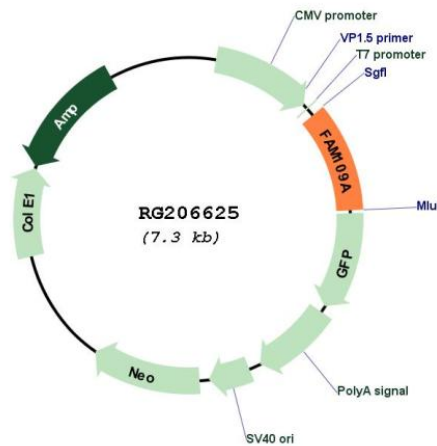
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_144671

ORF Size: 747 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<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_144671.5</a>
<b>RefSeq Size:</b>	3054 bp
<b>RefSeq ORF:</b>	750 bp
<b>Locus ID:</b>	144717
<b>UniProt ID:</b>	<a href="#">Q8N4B1</a>
<b>Cytogenetics:</b>	12q24.12
<b>Gene Summary:</b>	This gene encodes a protein that localizes to the endosome and interacts with the enzyme, inositol polyphosphate 5-phosphatase OCRL-1. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2010]