

## Product datasheet for **RG229680**

### **PAFAH1B2 (NM\_001184746) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PAFAH1B2 (NM\_001184746) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** PAFAH1B2  
**Synonyms:** HEL-S-303  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG229680 representing NM\_001184746  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCCAAGGAGACTCAAACCCAGCAGCTATTCCGCATGCAGCAGAAGATATTCAAGGAGATGACCGAT  
GGATGTCTCAGCACAACAGATTTGTTTTGGACTGTAAAGACAAAGAGCCTGATGTACTGTTCTGGGAGA  
CTCCATGGTGCAGTTAATGCAGCAATATGAGATATGGCGAGAGCTTTTTCCCCACTTCATGCCTGAAT  
TTTGAATTGGGGGAGATACAACAAGACATGTTTTGTGGAGACTAAAGAATGGAGAAGTGGAGAATTA  
AGCCTAAGGTCATTGTTGTCTGGGTAGGAACAAATAACCCAGAAAATACAGCAGAAGAAGTAGCAGGTGG  
GATCGAGGCCATTGTACAACCTTCAACACAAGGCAGCCACAGGCCAAAAATCATTGTATTGGGTAAGCA  
GCCGCCTCCAAATACTCTATCTCAGAGATAGTGAGACTAGAACAAGGGTCGGTTAACTGGTTCGATCGGGA  
CCTATCTGATGACACACCAGCAACTACCAGGCCAGCAATATTACAATTTTACTGGCAAGATGAGCAG  
GATTACCATGAAAGAAAAGTCCAGATGGACTGAGGAAATCCTACAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG229680 representing NM\_001184746  
**Red=Cloning site Green=Tags(s)**

MSQGDSNPAAIPHAAEDIQGDDRWMSQHNRFVLDCKDKEPDVLFVGDMSVQLMQQYEIWRELF SPLHALN  
FGIGDTRHVLWRLKNGELENIKPKVIVVWGTNNHENTAEVAGGIEAIVQLINTRQPQAKIIVLGA  
AASKYSISEIVRLEQGSVNWSIGTYPDDTPATTRPAILQLFTGKMSRITMKEKSRWTEEILH

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI

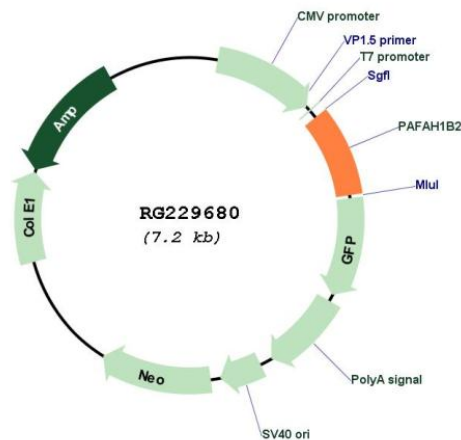


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001184746

ORF Size: 606 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:** [NM\\_001184746.2](#)

**RefSeq Size:** 1195 bp

**RefSeq ORF:** 609 bp

**Locus ID:** 5049

**UniProt ID:** [P68402](#)

**Cytogenetics:** 11q23.3

**Protein Pathways:** Ether lipid metabolism, Metabolic pathways

**Gene Summary:** Platelet-activating factor acetylhydrolase (PAFAH) inactivates platelet-activating factor (PAF) into acetate and LYSO-PAF. This gene encodes the beta subunit of PAFAH, the other subunits are alpha and gamma. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jan 2014]