

## Product datasheet for **RG232126**

### **AAGAB (NM\_001271886) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** AAGAB (NM\_001271886) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** AAGAB  
**Synonyms:** KPPP1; p34; PPKP1; PPKP1A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG232126 representing NM\_001271886  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCTTGGTCTGCGATAGAGTGTCTGAAGATGGTATAAACCGACAAAAAGCTCAAGAATGGTGCATCA  
AACATGGCTTTGAATTGGTAGAAGTCTAGTCCAGAGGAGTTGCCTGAGGAGGATGATGACTCCCAGAATC  
TACAGGAGTAAAGCGAATTGTCCAAGCCCTGAATGCCAATGTGTGGTCCAATGTAGTGATGAAGAATGAT  
AGGAACCAAGGCTTTAGCCTTCTCAACTATTGACTGGAACAAACCATAGCATTGGGTGAGCAGATCCCT  
GTCACCCAGAGCAACCCATTTGCCAGCAGCAGATAGTACTGAATCCCTCTCTGATCATCGGGGTGGTGC  
ATCTAACACAACAGATGCCAGGTTGATAGCATTGTGGATCCCATGTTAGATCTGGATATCAAGAATTA  
GCCAGTCTTACCACTGGAGGAGGAGATGTGGAGAATTTTAAAAGACTCTTTTCAAAGTTAAAGGAAATGA  
AAGACAAGGCTGCGACGCTTCTCATGAGCAAAGAAAAGTGCATGCAGAAAAGGTGGCCAAAGCATTCTG  
GATGGCAATCGGGGAGACAGAGATGAAATTGAAGGCCTTTCATCTGATGAAGAGCAC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:** >RG232126 representing NM\_001271886  
**Red=Cloning site Green=Tags(s)**

MILVCDRVSEGINRQKAQEWCIKHGFELVELSPEELPEEDDDFPESTGVKRVQALNANVWSNVVMKND  
RNQGFSLNLSLTGTNHSIGSADPCHPEQPHLPAADSTESLSDHRGGASNTTDAQVDSIVDPMLDLDIQEL  
ASLTTGGGDVENFERLF SKLKEMKDKAATLPHEQRKVHAEKVAKAFWMAIGGDRDEIEGLSSDEEH

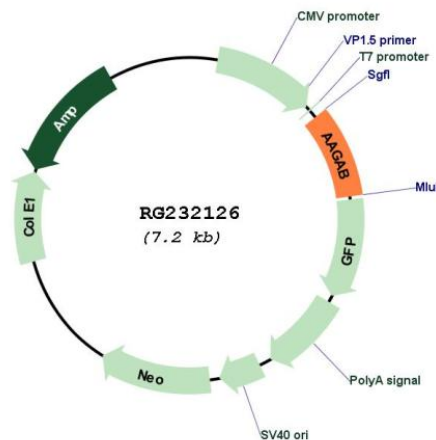
**TRTRPLE - GFP Tag - V**

**Restriction Sites:** SgfI-MluI



[View online »](#)

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001271886

**ORF Size:** 618 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\\_001271886.1](#), [NP\\_001258815.1](#)

**RefSeq Size:** 3344 bp

**RefSeq ORF:** 621 bp

**Locus ID:** 79719

**UniProt ID:** [Q6PD74](#)

**Cytogenetics:** 15q23

**Gene Summary:** The protein encoded by this gene interacts with the gamma-adaptin and alpha-adaptin subunits of complexes involved in clathrin-coated vesicle trafficking. Mutations in this gene are associated with type I punctate palmoplantar keratoderma. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2012]