

Product datasheet for **RG215518**

AAGAB (NM_024666) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AAGAB (NM_024666) 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:	>RG215518 representing NM_024666 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCTGGCGTACCCTGTGCGTTAGTCACCAGCTGCTCCTCCGTCTTCTCAGGAGACCAGCTGGTCC
AACATACCCTTGGAACAGAAGATCTTATTGTGGAAGTGACTTCCAATGATGCTGTGAGATTTTATCCCTG
GACCATTGATAATAAATACTATTCAGCAGACATCAATCTATGTGTGGTGCCAAACAAATTTCTTGTACT
GCAGAGATTGCAGAATCTGTCCAAGCATTGTGGTTTACTTTGACAGCACACGAAAATCGGGCCTTGATA
GTGTCTCCTCATGGCTTCCACTGGCAAAAGCATGGTTACCTGAGGTGATGATCTTGGTCTGCGATAGAGT
GTCTGAAGATGGTATAAACCACAAAAAGCTCAAGAATGGAGCCTCAAACATGGCTTTGAATTGGTAGAA
CTTAGTCCAGAGGAGTTGCCGTGAGGAGGATGATGACTTCCAGAATCTACAGGAGTAAAGCGAATTGTCC
AAGCCCTGAATGCCAATGTGTGGTCCAATGTAGTGATGAAGAATGATAGGAACCAAGGCTTTAGCCTTCT
CAACTCATTGACTGGAACAAACCATAGCATTGGGTGAGCAGATCCCTGTCACCCAGAGCAACCCATTG
CCAGCAGCAGATAGTACTGAATCCCTCTCTGATCATCGGGGTGGTGCATCTAACACAACAGATGCCCAGG
TTGATAGCATTGTGGATCCCATGTTAGATCTGGATATTCAAGAATTAGCCAGTCTTACCACTGGAGGAGG
AGATGTGGAGAATTTTGAAGACCCTTTTCAAAGTTAAAGGAAATGAAAGACAAGGCTGCGACGCTTCT
CATGAGCAAAGAAAAGTGCATGCAGAAAAGGTGGCCAAAGCATTCTGGATGGCAATCGGGGGAGACAGAG
ATGAAATTGAAGGCCTTTCATCTGATGGAGAGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG215518 representing NM_024666
 Red=Cloning site Green=Tags(s)

MAAGVPCALVTS CSSVFSGDQLVQHTLGTEDLIVEVTSNDVRFYPWTIDNKYYSADINLCVVPNKFLVT
 AEIAESVQAFVVYFDSTRKSGLDSVSSWLPLAKAWLPEVMILVCDRVSE DGINRQKAQEWSLKHGFELVE
 LSPEELPEEDDDFFPESTGVKRIVQALNANVWSNVVMKNDNRNQGFSLLNSLTGTNHSIGSADPCHPEQPHL
 PAADSTESLS DHRGGASNTTDAQVDSIVDPMLDLDIQELASLTGGGDVENFERPF SKLKEMKDKAATLP
 HEQRKVHAEKVAKAFWMAIGGDRDEIEGLSSDGEH

TRTRPLE - GFP Tag - V

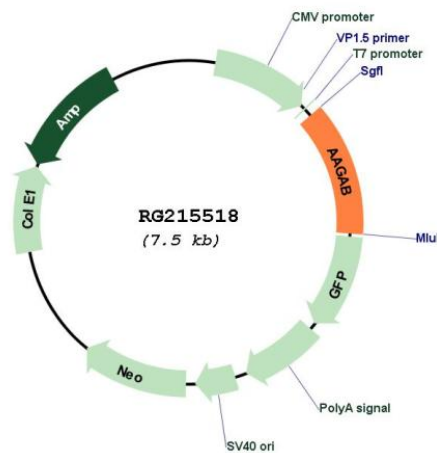
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_024666

ORF Size: 945 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:	<ol style="list-style-type: none"> 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_024666.2 , NP_078942.2
RefSeq Size:	2774 bp
RefSeq ORF:	948 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]