

## AAGAB cDNA

Catalog Number: ATGD0466

### PRODUCT INFORMATION

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**Catalog number**

ATGD0466

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_078942.3

**Alternative Names**

KPPP1, p34, PPKP1, PPKP1A

**mRNA Refseq**

NM\_024666.3

**OMIM**

614888

**Chromosome location**

15q23

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

948bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
  2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

## AAGAB cDNA

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AAGAB 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.

## DATA

### Sequence nucleotides

```
ATGGCTGCTGGCGTACCCCTGTGCGTTAGTCACCAGCTGCTCCTCCGTCTTCTCAGGAGACCAGCTGGTCCAACATATCCTTG
GAACAGAAGATCTTATTGTGGAAGTGACTTCCAATGATGCTGTGAGATTTTATCCCTGGACCATTGATAATAAATACTATTCA
GCAGACATCAATCTATGTGTGGTGCCAAACAAATTTCTTGTTACTGCAGAGATTGCAGAATCTGTCCAAGCATTTGTGGTTTA
CTTTGACAGCACACAAAAATCGGGCCTTGATAGTGTCTCCTCATGGCTTCCACTGGCAAAAGCATGGTTACCTGAGGTGATG
ATCTTGGTCTGCGATAGAGTGTCTGAAGATGGTATAAACCGACAAAAAGCTCAAGAATGGTGCATCAAACATGGCTTTGAAT
TGGTAGAACTTAGTCCAGAGGAGTTGCCTGAGGAGGATGATGACTTCCCAGAATCTACAGGAGTAAAGCGAATTGTCCAAG
CCCTGAATGCCAATGTGTGGTCCAATGTAGTGATGAAGAATGATAGGAACCAAGGCTTTAGCCTTCTCAACTCATTGACTGG
AACAAACCATAGCATTGGGTCAGCAGATCCCTGTCACCCAGAGCAACCCCATTTGCCAGCAGCAGATAGTACTGAATCCCTC
TCTGATCATCGGGGTGGTGCATCTAACACAACAGATGCCCAGGTTGATAGCATTGTGGATCCCATGTTAGATCTGGATATTC
AAGAATTAGCCAGTCTTACCACTGGAGGAGGAGATGTGGAGAATTTTCAAAGACTCTTTTCAAAGTTAAAGGAAATGAAAGA
CAAGGCTGCGACGCTTCCTCATGAGCAAAGAAAAGTGCATGCAGAAAAGGTGGCCAAAGCATTCTGGATGGCAATCGGGG
GAGACAGAGATGAAATTGAAGGCCTTTCATCTGATGAAGAGCACTGA
```

### Transaction Sequence

```
MAAGVPCALV TSCSSVFSGD QLVQHILGTE DLIVEVTSND AVRFYPWTID NKYYRADINLCVVPNKFLVT AEIAESVQAF
VVFYDSTQKS GLDSVSSWLP LAKAWLPEVM ILVCDRVSEDGINRQKAQEW CIKHGFELVE LSPEELPEED DDFPESTGVK
RIVQALNANV WSNVVMKNDRNQGFSLNSL TGTNHSIGSA DPCHPEQPHL PAADSTESLS DHRGGASNTT
DAQVDSIVDPMLDLDIQELA SLTTGGGDVE NFERLFSKLK EMKDKAATLP HEQRKVHAEK VAKAFWMAIGGDRDEIEGLS
SDEEH
```