

Product datasheet for **SC112105**

AAGAB (NM_024666) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AAGAB (NM_024666) Human Untagged Clone
Tag:	Tag Free
Symbol:	AAGAB
Synonyms:	KPPP1; p34; PPKP1; PPKP1A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024666, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCTGGCGTACCCTGTGCGTTAGTCACCAGCTGCTCCTCCGTCTTCTCAGGAGACCAGCTGGTCC
AACATATCCTTGGAACAGAAGATCTTATTGTGGAAGTGACTTCCAATGATGCTGTGAGATTTTATCCCTG
GACCATTGATAATAAATACTATTTCAGCAGACATCAATCTATGTGTGGTGCCAAACAAATTTCTTGTACT
GCAGAGATTGCAGAATCTGTCCAAGCATTGTGGTTTACTTTGACAGCACACAAAAATCGGGCCTTGATA
GTGTCTCCTCATGGCTTCCACTGGCAAAAGCATGGTTACCTGAGGTGATGATCTTGGTCTGCGATAGAGT
GTCTGAAGATGGTATAAACCACAAAAAGCTCAAGAATGGTGCATCAAACATGGCTTTGAATTGGTAGAA
CTTAGTCCAGAGGAGTTGCCTGAGGAGGATGATGACTTCCAGAATCTACAGGAGTAAAGCGAATTGTCC
AAGCCCTGAATGCCAATGTGTGGTCCAATGTAGTGATGAAGAATGATAGGAACCAAGGCTTTAGCCTTCT
CAACTCATTGACTGGAACAAACCATAGCATTGGGTGAGCAGATCCCTGTCAACCCAGAGCAACCCCATTTG
CCAGCAGCAGATAGTACTGAATCCCTCTCTGATCATCGGGGTGGTGCATCTAACACAACAGATGCCCAGG
TTGATAGCATTGTGGATCCCATGTTAGATCTGGATATTCAAGAATTAGCCAGTCTTACCACTGGAGGAGG
AGATGTGGAGAATTTTGAAGACTCTTTTCAAAGTTAAAGGAAATGAAAGACAAGGCTGCGACGCTTCTCT
CATGAGCAAAGAAAAGTGCATGCAGAAAAGGTGGCCAAAGCATTCTGGATGGCAATCGGGGGAGACAGAG
ATGAAATTGAAGGCCCTTTCATCTGATGAAGAGCACTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024666 unedited
 AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGCGAGCGCAGCTATGGCT
 GCTGGCGTACCCTGTGCGTTAGTCACCAGCTGCTCCTCCGTCTTCTCAGGAGACCAGCTG
 GTCCAACATATCCTTGGAACAGAAGATCTTATTGTGGAAGTGACTTCCAATGATGCTGTG
 AGATTTTATCCCTGGACCATTGATAATAAATACTATTCAGCAGACATCAATCTATGTGTG
 GTGCCAAAACAAATTTCTGTACTGCAGAGATTGCAGAATCTGTCCAAGCATTGTGGTT
 TACTTTGACAGCACACAAAAATCGGGCCTTGATAGTGTCTCCTCATGGCTTCCACTGGCA
 AAAGCATGGTTACCTGAGGTGATGATCTTGGTCTGCGATAGAGTGTCTGAAGATGGTATA
 AACCGACAAAAAGCTCAAGAATGGTGCCTCAAACATGGCTTTGAATTGGTAGAACTTAGT
 CCAGAGGAGTTGCCTGAGGAGGATGATGACTTCCAGAATCTACAGGAGTAAAGCGAATT
 GTCCAAGCCCTGAATGCCAATGTGTGGTCCAATGTAGTGATGAAGAATGATAGGAACCAA
 GGCTNTAGCCTTCTCAACTATTGACTGGAACAAACCATAGCATTGGGTGAGCAGATCCC
 TGTCAACCCAGAGCAACCCCATTTGCCAGCAGCAGATAGTACTGAATCCCTCTCTGATCAT
 CGNGGTGGTGCATCTAACACAACAGATGCCAGGTTGATAGCATTGTGGATCCCATGTTA
 GATCTGGNATATTCAAGAATTAGCCAGTCTTACACTTGGAGNNAGAGATGTGAGATTT
 TGAAGACTCCTTTCAAGTTAAAGAAATGAAAGACAGGCTGCGACGCTTCTNATGAGCAAG
 AN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024666 unedited
 GGCCGCAATCTAGAGTCGAGTT
 TTTACAAAACAAATAAGGATTTTTATTGTCAGTACTTCCACTTCTCTTTAAAAACTT
 GCCATTTGCTTATCAGTTCCTCTGGGGCTGACCCACTCAAACAAGACAAAGGATAAAGAA
 CAAAAGATAGTCCTCCGAGGTTACAGGCTTGAAGGGCAAAAAGGAGCTACAAACCTTGG
 AAAAAACAAGGGGCTCAGGAATTCATCGCCTAACATTTCACTTCCCCACCCACCCTT
 AGTGCTCCCACTTTGGCAGGGATCTCTTTTGGCTTTAAAGAAAAAGGGGAAATGTGCC
 TTGTTTTGCAGGTGTGCAACAACACAGCTTTGGCATTTCAGCAGCGGGGAAAACCTCTA
 AAACAAAAAATTTCTTCATGAAAATCACGGTATGTTATCACATACTGTCTCCATGGCCC
 ATACAAGGACTCCTTAAGGTTCTCTTTAACATAACAATATCCCCACAACCTCAGTAAAG
 AGGTTTTCTTCCACTGGAATAGAAATCCTTTGCCTCATTATTACAGTCTAAAAATCCA
 CACTGGCTTTTTGATTCTTTCTAGCATGAGCTCAGACACTATACTTCAAAGAATGCCCA
 GAGGCATTTTCTTAGGTAGAGACTTAGCTGCGGGCTGAGACTTCGGCCCCACATAGCTC
 ACATNAATCTGCAGCTGCCTCCTTTCCCAATAAAAGCATCATAGCTCAGAGCTACAA
 GCTCCTTTGATGAAAAAACCAATCACCCAGGAAAGGTGACACCACTCCTGATGTGCAG
 TATCAAGTGTGAATGCTGGAATGCTACTTNAACGTTGACCAGAAATGCGCTGNAGGT
 GCCTTCAACTTGAGTAAATACCACAGACTCTGAGATTATCCTACCTCATCTAGAACAA
 AAAAAATCATTAAAAATCCTCTATT

Restriction Sites:

NotI-NotI

ACCN:

NM_024666

Insert Size:

2190 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_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]
Transcript Variant: This variant (1) encodes the longer isoform (1).