

Product datasheet for **RR200040**

Ak6 (NM_001012463) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ak6 (NM_001012463) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ak6
Synonyms: AK/ATPase
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200040 representing NM_001012463
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCTCCGAACATCCTGCTACCCGGTACACCAGGGTTGGAAAAACCACACTAGGCAAGAAGCTTG
 CATCAAGATCAGGCTGAAGTACGTTAATGTGGGAGATCTAGCTCGGAAGGGCACTTGTACGATGGCTA
 TGATGAGGAGTATGGCTGCCCATCCTAGATGAGGACAGGGTTGTGGACGAGTTAGAGCCTCAGATGACA
 GAGGGCGGCGTGATCGTTGATTACCACGGTTGTGATTTCTTTCCTGAACGCTGGTTCCATATAGTGTTCG
 TGTTGAGGACAGACAATGGTATATTGTACAAACGACTTGAACAAGGGTTATCACGAGAAGAACTACA
 AGATAATATTCAGTGTGAGATTTTCAAGTTCTCTATGAAGAAGCCATGGCATCTTACAAAGAAGAAATT
 GTGCATCAGCTGCCAGTAACGAGCCAGAGCAGCTAGAGGACAATATCAACCAAACTCAAAGTGGATCG
 AGCAGTGGGTGAAAGACCACAACCCT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200040 representing NM_001012463
 Red=Cloning site Green=Tags(s)

MKLPNILLTGTPGVGKTTLGKELASRSLKYVNVGDLAREGHL YDGYDEEYGCPILEDTRVVDLEPQMT
 EGGVIVDYHGCDFFPERWFHIVFLRTDNGIL YKRLLETRGYHEKKLQDNIQCEIFQVLYEAMASYKEEI
 VHQLPSNEPEQLEDNINQISKWIEQWVKDHP

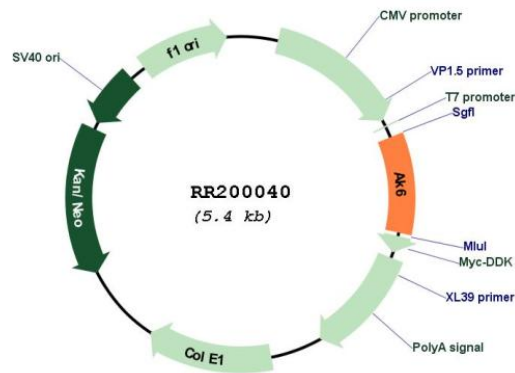
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001012463

ORF Size: 516 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:	<u>NM_001012463.3</u> , <u>NP_001012481.1</u>
RefSeq Size:	995 bp
RefSeq ORF:	519 bp
Locus ID:	102238592
UniProt ID:	<u>Q5EB68</u>
Cytogenetics:	2q12
MW:	19.9 kDa
Gene Summary:	human homolog is a subunit of of transcription initiation factor TFIID; binds to the basal transcription factor GTF2B as well as to several transcriptional activators [RGD, Feb 2006]