

Product datasheet for **SC329576**

AK3 (NM_001199852) Human Untagged Clone

Product data:

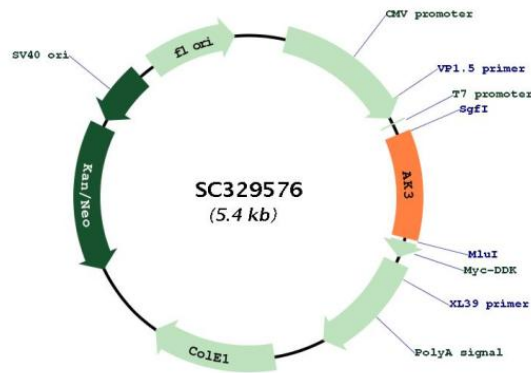
Product Type: Expression Plasmids
Product Name: AK3 (NM_001199852) Human Untagged Clone
Tag: Tag Free
Symbol: AK3
Synonyms: AK3L1; AK6; AKL3L; AKL3L1; FIX
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329576 representing NM_001199852.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGCGTCCGCGGGCTGCTGCGAGCGGTGATCATGGGGGCCCGGGCTCGGGCAAGGGCACCGTG
TCGTCGCGCATCACTACACACTTCGAGCTGAAGCACCTCTCCAGCGGGGACCTGCTCCGGGACAACATG
CTGCGGGGCACAGGTTTTCCAAGGACACTCCACAGGCAGAAGCCCTAGATAGAGCTTATCAGATCGAC
ACAGTGATTAACCTGAATGTGCCCTTTGAGGTCATTAACAACGCCTTACTGCTCGCTGGATTATCCC
GCCAGTGGCCGAGTCTATAACATTGAATTCAACCCTCCAAAACGTGGGCATTGATGACCTGACTGGG
GAGCCTCTCATTACGCGTGAGGATGATAAACCAGAGACGGTTATCAAGAGACTAAAGGCTTATGAAGAC
CAAACAAAGCCAGTCCTGGAATATTACCAGAAAAAGGGGTGCTGGAAACATTCTCCGGAACAGAAACC
AACAAAGATTTGGCCCTATGTATATGCTTTCCTACAAAACAAAGTCCACAAAGAAGCCAGAAAGCTCA
GTTACTCCATGA
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001199852

Insert Size: 564 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_001199852.1](#)

RefSeq Size: 4213 bp

RefSeq ORF: 564 bp

Locus ID: 50808

UniProt ID: [Q9UIJ7](#)

Cytogenetics: 9p24.1

Protein Families: Druggable Genome

Protein Pathways: Pyrimidine metabolism

MW: 21 kDa

Gene Summary: The protein encoded by this gene is a GTP:ATP phosphotransferase that is found in the mitochondrial matrix. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Dec 2010]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.