

Product datasheet for **SC329578**

AK3 (NM_001199855) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: AK3 (NM_001199855) Human Untagged Clone
Tag: Tag Free
Symbol: AK3
Synonyms: AK3L1; AK6; AKL3L; AKL3L1; FIX
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329578 representing NM_001199855.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGACTCGGCTGGCCCTTCATGAGCTGAAAAATCTCACCCAGTATAGCTGGCTGTTGGATGGTTTTCCA
 AGGACACTTCCACAGGCAGAAGCCCTAGATAGAGCTTATCAGATCGACACAGTGATTAACCTGAATGTG
 CCCTTTGAGGTCATTAACAACGCCTTACTGCTCGCTGGATTATCCCGCCAGTGGCCGAGTCTATAAC
 ATTGAATTCAACCCTCCAAAACTGTGGGCATTGATGACCTGACTGGGGAGCCTCTCATTACGCGTGAG
 GATGATAAACCAGAGACGGTTATCAAGAGACTAAAGGCTTATGAAGACCAAAACAAAGCCAGTCTGGAA
 TATTACCAGAAAAAGGGGTGCTGGAAACATTCTCCGGAACAGAAACCAACAAGATTTGGCCCTATGTA
 TATGCTTTCCTACAAACTAAAGTTCACAAAGAAGCCAGAAAGCTTCAGTTACTCCTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001199855

Insert Size: 474 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).


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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_001199855.1</u>
RefSeq Size:	4039 bp
RefSeq ORF:	474 bp
Locus ID:	50808
UniProt ID:	<u>Q9UIJ7</u>
Cytogenetics:	9p24.1
Protein Families:	Druggable Genome
Protein Pathways:	Pyrimidine metabolism
MW:	18.2 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (c) is shorter at the N-terminus compared to isoform a. Variants 3, 5, and 6 all encode the same isoform (c). 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.</p>