

Product datasheet for **SC322473**

AK3 (NM_016282) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | AK3 (NM_016282) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | AK3 |
| Synonyms: | AK3L1; AK6; AKL3L; AKL3L1; FIX |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for SC322473
 GCGCAGGCCAGGCCAAAGCCCTGGTACCCGCGCGGTGCGGGCCTCAGTCTGCGGCCATGG
 GGGCGTCCGCGCGGCTGCTGCGAGCGGTGATCATGGGGGCCCCGGGCTCGGGCAAGGGCA
 CCGTGTGTCGCGCATCACTACACACTTCGAGCTGAAGCACCTCTCCAGCGGGGACCTGC
 TCCGGGACAACATGCTGCGGGGCACAGAAATTGGCGTGTAGCCAAGGCTTTCATTGACC
 AAGGAAACTCATCCAGATGATGTCATGACTCGGCTGGCCCTTCATGAGCTGAAAAATC
 TCACCCAGTATAGCTGGCTGTTGGATGGTTTTCCAAGGACACTCCACAGGCAGAAGCCC
 TAGATAGAGCTTATCAGATCGACACAGTGATTAACCTGAATGTGCCCTTTGAGGTCTTA
 AACACGCCTTACTGCTCGCTGGATTATCCCGCCAGTGCCGAGTCTATAACATTGAAT
 TCAACCTCCAAAACCTGTGGGCATTGATGACCTGACTGGGGAGCCTCTCATTGAGCGTG
 AGGATGATAAACAGAGACGGTTATCAAGAGACTAAAGGCTTATGAAGACCAAACAAGC
 CAGTCTGGAATATTACCAGAAAAAGGGTGTGAAACATTCTCCGGAACAGAAACCA
 ACAAGATTGGCCCTATGTATATGCTTTCCTACAACTAAAGTCCACAAAGAAGCCAGA
 AAGCTTCAGTTACTCCATGAGGAGAAATGTGTAACTATTAATAGTAAGATGGGCAAC
 CTCTAGTCTTGCATTTAGAAGCTGCTTTTCTAAGACTTCTAGTATGTATGAATTCTT
 TAAAAATTATATTTACTTTTATTTCTACTGATTTTATTTTGGATACTAAGGATGTGCCAAA
 TGATTCGGATACTAAGATGCATCGTTTGAATCATCTAGTGTGTTGTATGCGATTATCCT
 CAAAAACATCAGCGATGTCTGAACCTTTAAAACATCTGTTAGAGCAAAATTAAGAGCA
 TTTGGTAGTAATCTAACTTTTGTTCAGTTAATAAGTGGTTGATAAAGTTTCCATATTTT
 TCTGAAAAGTTAAAAAAGTTACATGTCATTTGGAGAAAATACGTAATCAGAAATTTGT
 GCATAGATTGATGCCAAAAAGACATTTCCAGCATTGTGGAACATGGTGAGACACTATAT
 AAAATTCAGAAAAGCAACTGGATTACAGATTTATTGTGAGACACAAAATTCAGTGC
 TGCCTTTACACTAAGAAATGTATATGTTAACCATATATGCTGTATTTATTTTGTGCTTAA
 GCATACTTTCAGTTTACTCAGAATTTTCAATTTGCTATAAAGATGTATCAATTAGCATAT
 AGAAAAATATTACTTTAAGATGACTTGTTCCTTTGAAAATACCTGTGTACTGAGGGTTA
 TGATTGGTGTCAAAAATTGACATAAGTGCTTTTACAAGCACAAAGTTGAATGAATTTTC
 AACAAAATGTAATTAAGTCTATGTTTTAGTTATGACTCAGGTTAAGAAATGTGTTTTA
 GGATCTACTTGTGTTTTTCTTTTGTCCAAATGTGTGATCTGCCCTGATAAATAACA
 AGTTATAGTACCATCTCCCCGCCAATAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_016282

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: | NM_016282.2 , NP_057366.2 |
| RefSeq Size: | 2642 bp |
| RefSeq ORF: | 684 bp |
| Locus ID: | 50808 |
| UniProt ID: | Q9UIJ7 |
| Cytogenetics: | 9p24.1 |
| Domains: | ADK, ADK_lid |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Pyrimidine metabolism |
| 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 (1) represents the longest transcript and encodes the longest isoform (a). Variants 1 and 4 both encode the same 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.</p> |