

Product datasheet for **SC100066**

SKA3 (NM_145061) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SKA3 (NM_145061) Human Untagged Clone
Tag:	Tag Free
Symbol:	SKA3
Synonyms:	C13orf3; RAMA1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100066 sequence for NM_145061 edited (data generated by NextGen Sequencing)

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ATGGACCCTATCCGGAGCTTCTGCGGGAAGCTGCGGTCTCTGGCCAGCACGCTGGACTGC
GAGACGGCCCGCTGCAGCGAGCGCTGGACGGAGAGAAAGCGACTTTGAAGATTATCCA
ATGAGAATTTTATATGACCTTCATTGAGAAGTTGAGACTCTAAAGGATGATGTTAATATT
CTTCTTGATAAAGCAAGATTGGAATCAAGAAGGCATTGATTTTCATAAAGGCAACAAAA
GTACTAATGGAATAAATCAATGGATATTATGAAATAAGAGAGTATTCCAGAAGTAT
GGATATAGTCCACGTGTCAAGAAAAATTCAGTACACGAGCAAGAAGCCATTAAGTCTGAC
CCAGAGTTGTCTAATTGTGAAAAATTTTCAAGAGCTGATGTGAAAGATGATCTGTCTGAT
CCTCCTGTGCAAGCAGTTGTATTTCTGAGAAGTCTCCACGTAGTCCACAACCTTCAGAT
TTTGGACTTGAGCGGTACATCGTATCCCAAGTTCTACCAACCCCTCCACAGGCAGTGAAC
AACTATAAGGAAGAGCCCGTAATTGTAACCCACCTACCAACAATCACTAGTAAAAGTA
CTAAAAACTCCAAATGTGCACTAAAAATGGATGATTTTGAGTGTGTAACCTCTAAATTA
GAACACTTTGGTATCTCTGAATATACTATGTGTTTAAATGAAGATTACACAATGGGACTT
AAAAATGCGAGGAATAATAAAGTGAGGAGGCCATAGATGCAGAAATCCAGGCTCAATGAT
AATGTTTTGCCACTCCCAGCCCATCATCCAGCAGTTGGAAAAAAGTATGCCGAATAT
ACCAACTCTCCTTTGGTACCTACATTCTGTACTCCTGGTTTGAATTTCCATCTACAAAG
AACAGCATAGCTTTGGTATCCACAAATTACCCATTATCAAAAAACAATAGTTCATCAAAT
GATTTGGAAGTTGAAGATCGTACTTCGTTGGTTTAAATTCAGACACATGCTTTGAGAAT
TTAACAGATCCCTCTTACCTACGATTTCTTCTTATGAGAATCTGCTCAGAACACCTACA
CCTCCAGAAGTAATAAATTCAGAAGATATTCTCCAGCTTTTATCAAAATACAACCTCA
AACCTAGCTACTCCAATAGCAATTAAAGCAGTGCCACCCAGTAAAGGTTCTTAAACAT
GGACAGAACATCCGAGATGTCAGCAACAAAGAAACTGA

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Clone variation with respect to NM_145061.5

760 a=>g;1086 g=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145061 unedited
 NGGGTGCAGGATTTGTAACACGATTTCACTATAGGGCGGCCGGAATTCGCACGAGGCTG
 AGCGGTGGGGTCTGCGTACGCCTGGAGTCTTCCCCGCTGTGCTCAGCATGGACCCTATC
 CGGAGCTTCTGCGGGAAGCTGCGGTCTCTGGCCAGCACGCTGGACTGCGAGACGGCCCGG
 CTGCAGCGAGCGCTGGACGGAGAGGAAAGCGACTTTGAAGATTATCCAATGAGAATTTTA
 TATGACCTTCATTAGAAGTTTCACTCTAAAGGATGATGTTAATATTCTTCTTGATAAA
 GCAAGATTGGAAAATCAAGAAGGCATTGATTTTATAAGGCAACAAAAGTACTAATGGAA
 AAAAAATTCATGGATATTATGAAAATAAGAGAGTATTTCCAGAAGTATGGATATAGTCCA
 CGTGTCAAGAAAATTCAGTACACGAGCAAGAAGCCATTAACCTCTGACCCAGAGTTGTCT
 AATTGTGAAAATTTTCAAGACTGATGTGAAAGATGATCTGTCTGATCCTCTGTTGCA
 AGCAGTTGATTTCTGAGAAGTCTCCACGTAGTCCACAACCTTTCAGATTTTGGACTTGAG
 CGGTACATCGTATCCCAAGTTCTACCAACCTCCACAGGCAGTGAACAATAAGGAA
 GAGCCCGTAATTGTAACCCACCTACCAACAATCACTAGTAAAAGTACTAAAACTCCA
 AAATGTGCACTAAAAATGGATGATTTTGTAGTGTGTAACCTCTAAATTAGAACACTTTGGT
 ATCTCTGATATACTATGTNGTTAAATGAAGATTACACNATGGGACTTAAATGCGAGGAA
 TATAAAGTGAGAGGCATAGTGCAGAATCAGCTCATGATAATGTTTTGCCACTCCACCCA
 TATNCAGAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_145061 unedited
 GTTAAAAACCTTATTTTACAT
 TATTTTTAAAAAAATTATACTTACAACCTACCCAGTAACCTCTAAAACAAGGACAACTC
 AAATTTTGTTTTGGGACAGTTTCTGACAAGATTAATAGAGCACAATGGACAGGTCCCC
 CATTTGACTTTCAAGGAACAATCATAAAACAGGGGAATCTTTACTGGATCAAATTCCTAA
 AACTACCCCTTTGAAGTAAGTTGACAAAAAATCTGGGGGTCTTCTCAAAATTTTAAAGG
 GTCCCCACGGGATGCTAGGGCCTTATTTTCTCATTGGCTGGAATTTGACAAGTTCTCCAA
 AAGCCCTATCATGAACCTAATTAATAATACTTTCCAGCTGGACTTAAATCAAAAGGATC
 GTAGGCCTGATAAGCAGGTCAACCTGAAGCTACCAGGCAGCTCTGGAGGCTCCCGTGGCC
 ATAGCTAACAGGGCACAGGAGGGCCCTGGCCCAAGATGAGCCCTCAAAACCTTTTAAAG
 AGAGTGAAATTCAGGGTCTACTGGGGTCCAACCTGCAAAGTGGAGCCGGAGAGGTCAAC
 TGCCATGTGATAAAAAGAGCTGACATAAGAGAAAAGACCCCCCAGAGTGAAGAGCTGGA
 AGAAAAACAACCTCACAACTGACAGCAGAGTTCCTGGTTCCAACCTGGTTGAGACCCGT
 CTCTACCTCCAATGGCAGATTTATAGTTCCCCAGGCCCTGGAATCTCCCCCTTTTCC
 AAATTAATTTAACTGGNGGTTCTGTTGTTTGCACAAAGAACTGGATCTTAAAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_145061

Insert Size:

2650 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_145061.3](#), [NP_659498.2](#)

RefSeq Size: 2907 bp

RefSeq ORF: 1239 bp

Locus ID: 221150

UniProt ID: [Q8IX90](#)

Cytogenetics: 13q12.11

Gene Summary: This gene encodes a component of the spindle and kinetochore-associated protein complex that regulates microtubule attachment to the kinetochores during mitosis. The encoded protein localizes to the outer kinetochore and may be required for normal chromosome segregation and cell division. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). 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.