

Product datasheet for **SC326949**

SKA3 (NM_001166017) Human Untagged Clone

Product data:

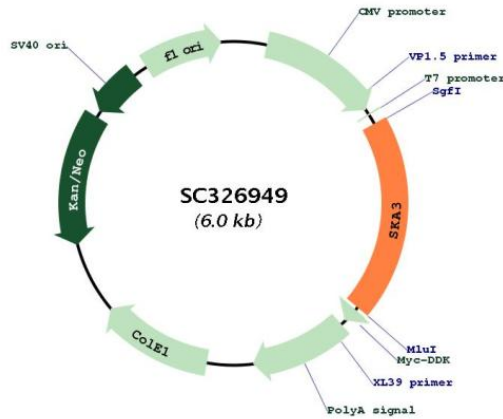
Product Type:	Expression Plasmids
Product Name:	SKA3 (NM_001166017) Human Untagged Clone
Tag:	Tag Free
Symbol:	SKA3
Synonyms:	C13orf3; RAMA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326949 representing NM_001166017. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGACCCTATCCGGAGCTTCTGCGGGAAGCTGCGGTCTCTGGCCAGCAGCTGGACTGCGAGACGGCC
CGGCTGCAGCGAGCGCTGGACGGAGAGGAAAGCGACTTTGAAGATTATCCAATGAGAATTTATATGAC
CTTCATT CAGAAGTTCAGACTCTAAAGGATGATGTTAATATTCTTCTTGATAAAGCAAGATTGGAAAAAT
CAAGAAGCATTGATTTTCATAAAGGCAACAAAAGTACTAATGGAAAAAATTCATGGATATTATGAAA
ATAAGAGAGTATTTCCAGAAGTATGGATATAGTCCACGTGTCAAGAAAAATTCAGTACACGAGCAAGAA
GCCATTA ACTCTGACCCAGAGTTGTCTAATTGTGAAAATTTTCAGAAGACTGATGTGAAAGATGATCTG
TCTGATCCTCCTGTTGCAAGCAGTTGTATTTCTGAGAAGTCTCCACGTAGTCCACAACCTTCAGATTTT
GGACTTGAGCGGTACATCGTATCCCAAGTCTACCAAACCTCCACAGGCAGTGAACAACATAAAGGAA
GAGCCCGTAATTGTAACCCACCTACCAACAATCACTAGTAAAAGTACTAAAACTCCAAAATGTGCA
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TGTTTAAATGAAGATTACACAATGGGACTTAAAAATGCGAGGAATAATAAAAGTGAGGAGGCCATAGAT
ACAGAATCCAGGCTCAATGATAATGTTTTGCCACTCCAGCCCCATCATCCAGCAGTTGGAAAAAAGT
GATGCCGAATATACCAACTCTCCTTTGGTACCTACATTCTGTACTCTGGTTTAAAAATTCATCTACA
AAGAACAGCATAGCTTTGGTATCCACAAATACCCATTATCAAAAACAAATAGTTTCATCAATGATTTG
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GAAGATATTCTCCAGAAATTCAGTGGATCTATCCAACACAGAACTGAACAAAATGAGATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001166017

Insert Size: 1167 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).

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).

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_001166017.1](#)

RefSeq Size: 2808 bp

RefSeq ORF: 1167 bp

Locus ID: 221150

UniProt ID: [Q8IX90](#)

Cytogenetics: 13q12.11

MW: 44 kDa

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 kinetechore 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 (2) lacks an exon in the coding region, which results in a frameshift and alternate stop codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to 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.