

## Product datasheet for **RG222931**

### SKA3 (NM\_145061) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SKA3 (NM_145061) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SKA3
Synonyms:	C13orf3; RAMA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222931 representing NM_145061 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCCTATCCGGAGCTTCTGCGGGAAGCTGCGGTCTCTGGCCAGCAGCTGGACTGCGAGACGGCCC  
GGCTGCAGCGAGCGCTGGACGGAGAGGAAAGCGACTTTGAAGATTATCCAATGAGAATTTATATGACCT  
TCATTCAGAAGTTCAGACTCTAAAGGATGATGTTAATATCTTCTTGATAAAGCAAGATTGGAAAATCAA  
GAAGGCATTGATTCATAAAGGCAACAAAAGTACTAATGGAAAAAATTCATGGATATTATGAAAAATA  
GAGAGTATTTCCAGAAGTATGGATATAGTCCACGTGTCAAGAAAAATTCAGTACACGAGCAAGAAGCCAT  
TAACTCTGACCCAGAGTTGTCTAATTGTGAAAATTTTCAGAAGACTGATGTGAAAGATGATCTGTCTGAT  
CCTCCTGTTGCAAGCAGTTGATTTCTGAGAACTCCACGTAGTCCACAACCTTTTCAGATTTTGGACTTG  
AGCGGTACATCGTATCCCAAGTTCTACCAACCCCTCCACAGGCAGTGAACAACTATAAGGAAGAGCCCGT  
AATTGTAACCCACCTACCAACAATCACTAGTAAAAGTACTAAAACTCCAAAATGTGCACTAAAAATG  
GATGATTTGAGTGTGTAACCTCAAATAGAACACTTTGGTATCTCTGAATATACTATGTGTTAAATG  
AAGATTACACAATGGGACTTAAAAATGCGAGGAATAATAAAAGTGAGGAGGCCATAGATACAGAATCCAG  
GCTCAATGATAATGTTTTGCCACTCCCAGCCCCATCCAGCAGTTGGAAAAAAGTATGCCGAATAT  
ACCAACTCCTTTGGTACCTACATTCTGTACTCCTGGTTTAAAAATTCATCTACAAAGAACAGCATAG  
CTTTGGTATCCACAAAATTACCCATTATCAAAAACAAATAGTTTCATCAAATGATTTGGAAAGTTGAAGATCG  
TACTTCGTTGGTTTTAAATTCAGACACATGCTTTGAGAATTTAACAGATCCCTCTTCACCTACGATTTCT  
TCTTATGAGAATCTGCTCAGAACACCTACACCTCCAGAAGTAACTAAAATTCAGAAGATATTCTCCAGC  
TTTTATCAAAAACAACCTCAAACCTAGCTACTCCAATAGCAATTAAGCAGTGCCACCCAGTAAAAGGTT  
CCTTAAACATGGACAGAACATCCGAGATGTCAGCAACAAAGAAAAC

**ACGGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG222931 representing NM\_145061  
 Red=Cloning site Green=Tags(s)

MDPIRSFCGKLRSLASTLDCETARLQRALDGEESDFEDYPMRILYDLHSEVQTLKDDVNILLDKARLENQ  
 EGIDFIKATKVLMEKNSMDIMKIREYFQKYGYSPRVKKNVHEQEAINSDPELNCENFQKTDVKDDLSD  
 PPVASSCISEKSPRSPQLSDFGLERYIVSQVLPNPPQAVNNYKEEPVIVTPPTKQSLVKVLKTPKCALKM  
 DDFECVTPKLEHFGISEYTMCLNEDYTMGLKNARNNKSEEAIDTESRLNDNVFATPSPIIQQLEKSDAEY  
 TNSPLVPTFCTPLKIPSTKNSIALVSTNYPLSKTNSSSNDLEVEDRTSLVLSNSDTCFENLTDPSPTIS  
 SYENLLRTPPEVTKIPEDILQLLSKYNSNLATPIAIAKAVPPSKRFLKHGQNIIRDVSNKEN

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_145061

**ORF Size:** 1236 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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

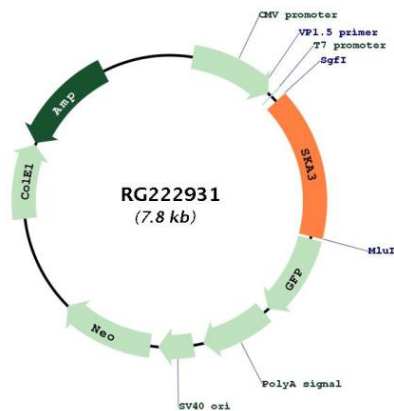
**Locus ID:** 221150

**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 kinetechore and may be required for normal chromosome segregation and cell division. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

### Product images:



Circular map for RG222931