

Product datasheet for **SC320818**

FKSG14 (CENPK) (NM_022145) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FKSG14 (CENPK) (NM_022145) Human Untagged Clone
Tag:	Tag Free
Symbol:	FKSG14
Synonyms:	AF5alpha; CENP-K; FKSG14; P33; Solt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_022145.3
 GCAGAAGTCCGGGGCTGGCAAGCGCTTCCTGCGCAGCGCCTAGGCGACCTGGAGTTTGTG
 ACGCTGTGATGGTCTAGAGGCTGGAGATTCAAGATCTGGGTGCCATCATTTTCTGGTTCT
 GTTGATGACCCTCTCCAGGTTACATACAGCTTACATCTTGCATCCTCAAGCGTTTTTCT
 TATAAGGCTAAAAATTCACAAAGCATATATCAATGAATCAGGAGGATCTAGATCCGGATA
 GTACTACAGATGTGGGAGATGTTACAAATACTGAAGAAGAACTTATTAGAGAATGTGAAG
 AAATGTGGAAAGATATGGAAGAATGTCAGAATAAATTATCACTTATTGGAACTGAAACAC
 TCACCGATTCAAATGCTCAGCTATCATTGTTAATTATGCAAGTAAAATGTTTAACCGCTG
 AACTCAGTCAATGGCAGAAAAAACACCTGAAACAATTCCCTTGACTGAAGACGTTCTCA
 TAACATTAGGAAAAGAAGAGTTCCAAAAGCTGAGACAAGATCTTGAAATGGTACTGTCCA
 CTAAGGAGTCAAAGAATGAAAAGTTAAAGGAAGACTTAGAAAGGGAACAACGGTGGTTGG
 ATGAACAGCAACAGATAATGGAATCTCTTAATGTACTACACAGTGAATTGAAAAATAAGG
 TTGAAACATTTTCTGAATCAAGAATCTTTAATGAACTGAAACTAAAATGCTTAATATAA
 AAGAATATAAGGAGAAACTCTTGAGTACCTTGGGCGAGTTTCTAGAAGACCATTTTCCTC
 TGCCTGATAGAAGTGTTAAAAAGAAAAAGAAAAACATTCAAGAATCATCTGTAAACCTGA
 TAACACTGCATGAAATGTAGAGATTCTTATAAATAGATTATTTGATGTTCCACATGATC
 CATATGTCAAAATTAGTGATTCTTTTGGCCACCTTATGTTGAGCTGCTGCTGCGTAATG
 GAATTGCCTTGAGACATCCAGAAGATCCAACCCGAATAAGATTAGAAGCTTTCCATCAGT
 AAAAGGATGTTTTCTTTTTTACACAGTAAAAATCTTATCATTCAAGGATATTGGAACC
 ACAGGACTATTTGGATAAAAAACATTATTTGCAAATTAATGCGCATAGGCCATCTTACTT
 TTATTGCAAAATGGCATGTGCTGCCATCTATTATTCATTTTAAATGGTCATTTCTTATT
 CAGTGAGTGCTTTAGTGTTTTAACTATATGGATAAGAATGCAGGTAGATAATATTCTAG
 GCATAAAACATTTAATGTACCTTACCTCATGCAATATTCTTTGGATTCTTTGTTGATTTA
 TGATATTGCTAATAATAATTTTTCTTAAATATATAACAATATCTTTTATGCATTTTGAG
 TTCCAGCTGGTGCTTCTTTATATTTAGAAATTATAATGGGAAGGTCATTTAATTTACAGA
 TGGTTTTAAAAATTGAGGTAATATCTGAGGTGGCATAATTTAAAAATTTTAGCAAATTTG
 TTTCATATATACTGTCTTATTTCTAGATTTGTTTAAAAATTGGAATATGAAAACTAATGG
 ATAAAGCTAGCATAAAATTGATATTTAGTTTGTATTATTAATATATCATGTTACCTTAT
 ATATTAATCTACTCTTGATTCTGCTAATTATTACCAACAAAATTGTATTGATGACATTTT
 ATTAATCTCTGTGAATTTTCTGTAATAAAATTATTTCTGAAATCTCTAAAAA
 AAAAAAAAAAAGAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_022145

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:	<u>NM_022145.3, NP_071428.2</u>
RefSeq Size:	1781 bp
RefSeq ORF:	810 bp
Locus ID:	64105
UniProt ID:	<u>Q9BS16</u>
Cytogenetics:	5q12.3
Protein Families:	Druggable Genome
Gene Summary:	CENPK is a subunit of a CENPH (MIM 605607)-CENPI (MIM 300065)-associated centromeric complex that targets CENPA (MIM 117139) to centromeres and is required for proper kinetochore function and mitotic progression (Okada et al., 2006 [PubMed 16622420]). [supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 encode the same isoform (1).