

Product datasheet for **SC332833**

FKSG14 (CENPK) (NM_001267038) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FKSG14 (CENPK) (NM_001267038) Human Untagged Clone
Tag:	Tag Free
Symbol:	FKSG14
Synonyms:	AF5alpha; CENP-K; FKSG14; P33; Solt
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332833 representing NM_001267038. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAATCAGGAGGATCTAGATCCGGATAGTACTACAGATGTGGGAGATGTTACAAATACTGAAGAAGAA
 CTTATTAGAGAATGTGAAGAAATGTGGAAAGATATGGAAGAATGTCAGAAATAATTATCACTTATTGGA
 ACTGAAACACTCACCGATTCAAATGCTCAGCTATCATTGTTAATTATGCAAGTAAATGTTAACCGCT
 GAACCTCAGTCAATGGCAGAAAAAACACCTGAAACAATCCCTTGACTGAAGACGTTCTCATAACATTA
 GAAAAAGAAGAGTTCAAAAGCTGAGACAAGATCTTGAAATGGTACTGTCCACTAAGGAGTCAAAGAAT
 GAAAAGTTAAAGGAAGACTTAGAAAGGGAACAACGGTGGTTGGATGAACAGCAACAGATAATGGAATCT
 CTTAATGTACTACACAGTGAATTGAAAAATAAGGTTGAAACATTTCTGAATCAAGAATCTTTAATGAA
 CTGAAAACATAAATGCTTAATATAAAGAATATAAGGAGAACTCTTGAGTACCTTGGGCGAGTTTCTA
 GAAGACCATTTTCTCTGCCTGATAGAAGTGTTAAAAAGAAAAAGAAAAACATTCAAGAATCATCTGTA
 AACCTGATAACACTGCATGAAATGTTAGAGATTCTTATAAATAGATTATTTGATGTTCCACATGATCCA
 TATGTCAAAATTAGTGATTCCTTTGGCCACCTTATGTTGAGCTGCTGCTGCGTAATGGAATTGCCTTG
 AGACATCCAGAAGATCCAACCCGAATAAGATTAGAAGCTTCCATCAGTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001267038
Insert Size:	810 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).


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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_001267038.1</u>
RefSeq Size:	1719 bp
RefSeq ORF:	810 bp
Locus ID:	64105
UniProt ID:	<u>Q9BS16</u>
Cytogenetics:	5q12.3
Protein Families:	Druggable Genome
MW:	31.7 kDa
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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform (1).