

Product datasheet for **SC124026**

Kinetochores (KNTC1) (NM_014708) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Kinetochores
Synonyms:	ROD
Mammalian Cell	None
Selection:	
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014708, the custom clone sequence may differ by one or more nucleotides

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ATGTGGAATGATATTGAGCTGCTAACAAATGATGATACCGGAAGTGGGTACCTGAGTGTGCGTTCAAGAA
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5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_014708 unedited
AAGTGGCGGTCAAAATTGTAACGACTCATATAGGCGGCCGNAATTCGCACGAGAAGT
ACTAGAGGCGGTTGTGTGAGTCAGGAAGAGGGGCCAGATATCTGAGTGTTCCTTTTAGT
TTCTTCAATTGCAGGAAAGACAGTGGTTCTGACTCAGGAAGACAGTCTCAGAAACATGT
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CAAGAAAAGAACATGGAAGTCTTTATATCAAGTAGATTGCTAGTGAAGATCTCTTCTG
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TACTCTTGGTTGTCTCAGTCTTGTGGCTGGAGATTAGCAAGTGAAAGTTCTGTGATAATT
GNGGAACCGGTAATGTGCATTT

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_014708 unedited
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CTCATATTGTTTTATTATTACATGTGGGTAATGTTAGACAAATAGCTATAATACAGAG
ATTGTACAATTTAAAACTGTAATAAATATGGTCCATTAATAGCAGACTCCAAATTTCTT
GTCCTTCTTGAAAAAAGGTTCAAGTATTACGATAATCCACTAAGAAACATCTTCAGAA
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TCACAGGAACCCAGAAAATTTAATTTGCTGGTGTCTTTTCTGAGTGGGGCATGAGC
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ATCAGGTCAAGAT

Restriction Sites:

NotI-NotI

ACCN:

NM_014708

Insert Size:

6300 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_014708.3 , NP_055523.1
RefSeq Size:	6965 bp
RefSeq ORF:	6630 bp
Locus ID:	9735
UniProt ID:	P50748
Cytogenetics:	12q24.31
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a protein that is one of many involved in mechanisms to ensure proper chromosome segregation during cell division. Experimental evidence indicated that the encoded protein functioned in a similar manner to that of the Drosophila rough deal protein. [provided by RefSeq, Jul 2008]