

Product datasheet for SC105431

NCAPG2 (AK092008) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCAPG2 (AK092008) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCAPG2
Synonyms:	CAP-G2; CAPG2; hCAP-G2; LUZP5; MTB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC105431 sequence for AK092008 edited (data generated by NextGen Sequencing)

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ATGGAAAAACGTGAGACGTTTGTACAAGCCGTGTCTAAGGAGCTGGTTGGAGAGTTTTT
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GAGCACATTCTGGTTCGTCTGGAACTGATTCTCGACCTGTGTCTCGGCGCCTGGTGAGC
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 GAAGAGGATAGCATTGAAAGATTCTCTATGAATCATCATCAAGAACTCTGGGAGAACTT
 TTGAATTCATAA

Clone variation with respect to AK092008.1

792 g=>a;2794 g=>a

3' Read Nucleotide Sequence:	>OriGene 3' read for AK092008 unedited <pre> ACTTTATGTACCGTCGGCCGCTTTTCTANNAGTCGGTTTTTTTTTTTTTTTTTTTTTTTTTT TTGTTGTCATTGCTTTATTACTCATAGTTTCCAAGCAATATTACATATATAAAAGTCATT TAAAAACAACAGGTTTGCTAGAAAAGTGTTCCTTGAATCATGGATTTCTACACC ATTCATACCTGGAGTCCTTTATATTAATATATTATTTACGCAGGCACTAGGCAAAATTG AAGAAGTTTTGAGTTATCTCCTCCATAACCCCACTTCCCACATTCCCACAAAAAATC CCACCTTTCCCTATTATATGGGTTATTAACATTAAAAACAATAGGAAAATACACAGGCA TTTCAATTTGAATCACTTTCCCTATTTTACATGTCTGGAGATGTTGGCTTGGTTATGA ATTCAAAAGTTCTCCAGAGTTCTTGATGATGATTCATAGAGAAATCTTCAATGCTATC CTCTTCCAAAGTAATTTCCATGAATGTCTTTAGTTTTCTGTGAACAGTGGCTGCAACCTC CCTCACTTTTGAGCTTTTATGTTTACCTGCATTAATAACCAGGATAATATGCACAGCAGC CGTGAGGCACACAATGCCTTCAATATCATTAGAAGCCACACATGCCTTTAATTCATCCAA AAATGACCTGACCACATTGAAGACTTTATTATTCTTATTAACACCTTGAAAATGG TGGGAGATCAGAAAGATGCTCTGNAGGGTAAGCTCTTCTACGTCAGAACCTTCCGTAGC TGGTGACTTATCTCACCACAGGCCAGCGATCAGAGAGAAGTACACCCCGTCCAGGGTGT CTGTGTGCGAGACTGACAGCAGTATGAACTCTGAGAGCCTCTGAACGATAAGCAGCCAG GCTTCTTCGCTGCTTCTGAACTCGTC </pre>
Restriction Sites:	NotI-NotI
ACCN:	AK092008
Insert Size:	4700 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.
RefSeq:	<u>AK092008.1</u> , <u>BAG52464.1</u>
RefSeq Size:	3919 bp
RefSeq ORF:	3432 bp
Locus ID:	54892
Cytogenetics:	7q36.3

Gene Summary:

This gene encodes a protein that belongs to the Condensin2nSMC family of proteins. The encoded protein is a regulatory subunit of the condensin II complex which, along with the condensin I complex, plays a role in chromosome assembly and segregation during mitosis. A similar protein in mouse is required for early development of the embryo. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]