

Product datasheet for **SC337898**

NCAPG2 (NM_001281932) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCAPG2 (NM_001281932) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCAPG2
Synonyms:	3KS; CAP-G2; CAPG2; hCAP-G2; LUZP5; MTB
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001281932, the custom clone sequence may differ by one or more nucleotides

ATGGAACCTGAGACGTTTGTACAAGCCGTGTCTAAGGAGCTGGTTGGAGAGTTTTTGAATTTGTTCA
AACTTGATAAAGAGGCCTCTGATCCTTTTCAAGCCTAAATGAATTACTAGATGAATTATCAAGGAAACAGAA
AGAAGAATTATGGCAAAGGCTGAAGAATTTATTGACAGATGTGTTGTTAGAAAGCCAGTGGATGGGTGG
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AGCCCTACTGGAATGTGTTATTATATTAATGGTATTTTATATGCATTACCTGAGTCTGAACGAAACTA
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AGACAGCCTTTGTGATGTTACTAAGGAGGAGTCTGGAGACTAAGACAGGTGCAGACGATGTGCGGCTTTG
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CTTGAGTGCTTCATAATATTAATTATATCAAGAAAGAAGAGGGAAGAAGATTTCTAGTTGTCTCTTCA
ACTGGAATATCAACTTCATCAAAATGATCCACGGGACCATTAACCAAGGTTACAGGGATTACAAAAGTC
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GGGAGTGAGAGAGCCTCCAGAGGACGAGGAGGAAGAGGACGGAAGGAGAGGAGAAATGTGACTGTTCT
GGCAAAACACTGTCAGTAAACGATGTTGCATGCATGGCAGGTTTACTAGAAATCATTGTGATTCTCTGG



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AAAAGTATTGACAGAAGTATGGAATAATAAAGAGGCCAACTTTACACGATTAACAAGTTGCTCTG
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GAAGAGGATAGCATTGAAAGATTTCTCTATGAATCATCATCAAGAACTCTGGGAGAACTTTGAATTCAT
AA

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Restriction Sites: Sgfl-Mlul

ACCN: NM_001281932

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: NM_001281932.1, NP_001268861.1

RefSeq Size: 4129 bp

RefSeq ORF: 3432 bp

Locus ID: 54892

UniProt ID: Q86XI2

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]
Transcript Variant: This variant (2) contains an alternate exon in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein (isoform a).