

Product datasheet for **SC302937**

NCKAP5L (NM_001037806) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCKAP5L (NM_001037806) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCKAP5L
Synonyms:	Cep169; FP1193; KIAA1602
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302937 representing NM_001037806. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGTCAGAGGCCATGGACCAGCCAGCTGGGGTCTGGAAACCAAGGCCAGGAGAGGGTGATGATGGC
AGCATGGAGCCAGGCACCTGCCAGGAGCTTCTGCACCGACTGCGGAGCTGGAGGCAGAGAACTCGGCA
CTTGCCAGGCCAACGAAACAGCGGGAGACTTATGAGCGCTGTCTGGACGAGGTTGCCAACCATGTG
GTACAGGCGTTGCTGAACCAGAAGGACCTGCGAGAGGAGTGCATCAAGCTGAAGAAGAGAGTGTTTAC
CTGGAACGGCAGAACAGATGCTGAGTGCCCTGTTTCAGCAGAACTCCAGCTCACGACAGGCTCGCTC
CCTCAGATCCCACTCACTCCACTCCAGCCACCATCAGAGCCACCAGCCTCCCCCTCCCTGAGCTCCACT
GAGGGACCGGCTGCCCCGCTGCCCTCTGGGGCACTGTGCTGGGCAGAGAGAGGTATGTTGGGAGCAGCAG
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CGGAAGAAGGCCAGATTCTGGAGGTGCTGAGAGCCCTGGAAGAGACTGACCCCTTGCTTCTCTGCTCA
CCTGCCACCCCTGGCGGCCTCCAGGCCAGGGGCTGGCTCCCCAGAGCCCATCAACGGCGAGCTGTGT
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TCCTCTTCTGATGAGGCAGGTGACCCCAATGAGGCACCCAGCCCCGACACCCTGCTCGGTGCCCTGGCC
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GCTGCAGGCCCACTCAATGGGGACCAACCAGGTCTGGGCAGTCATCTCCCCAGACCAGGCGCCCCCA
CAGCTGTCTAAGTCCAAAGGCCTCCCCAAGTCAGCTTGGGGTGGGGTACCCAGAGGCCACAGGCCA
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CCCCCTTCTCTGGGAAGCTCAGGGACCCCTTCTGCCCTCTCCAGCTAGGGGTCTAAGTTTCTAAAG
CTGCCTCAACCTCGGAGAAGAGCCCCAGCCAGGAGGCCGAGCTCAGTCCCCAGCTCCCCGGAAC
TCGCGAATCCCCTGTGGAACAGTGGCTCAGACGGCAGCCCTCCCCACTGTTGGCCGAAGGGGTCTG



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GGTGGAGGAGAGCTGTCCCCAGAGGGGGCGCAAGGCCTGCCACCAGCCCTTCACCCTGCTACACAACC
CCAGACTCCACACAGCTCAGACCCCGCAGTCAGCCTTGTCCACCACGCTGTCCCAGGCCAGTGGTG
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GACCCCAAGAGCCCTGGCCAGCCTGTGGGCCCGGAATGGCCTGGTGGGCCCTTTCAGGGCTGCGGA
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GAGCCAGTGCCACCTCACACTTCACAGCCTGTGGCTCCTTGACTCGAACCTTGGACAGTGGCATTGGG
ACCTTCCACCCCCAGACCATGGTAGCAGTGGGACCCCCAGCAAGAATCTTCTAAGACCAAGCCACCG
CGGCTGGATCCCCACCTGGGGTACCCCGAGCTCGGCCCCACCCCTTACCAAAGTCCCCGCCGCGCC
CACACTGAGCGGGAGGTGCCAGGCATAGAGGAGCTGCTGGTGAAGTGGGCGGCACCCAGCATGCCA
GCCTTCCCTGCACTGCTACCCGCTGCTCCGGGCCACCGGGGCCATGAGACCTGTCTGATGATCCCTGT
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GGCAGCTCCTCGGACCTCTCATGTGCCACCCCGACAACCTGGAGGGGCTGCCAGGACCCCATGGCC
CTGCCCCGTGGACCGGAAGCGAAGCCAGGAGCCAGCCGCCCTGCCCTACGCCCCAGGGCCACCTTTC
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GGGCTGGAGACCTCGGAGTCTCTCAGTGACTCACTCTACGACTCGCTGTCTCTTGTGGGAGTCAGGGC
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:

SgfI-MluI

ACCN:

NM_001037806

Insert Size:

4005 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).

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_001037806.3</u>
RefSeq Size:	4918 bp
RefSeq ORF:	4005 bp
Locus ID:	57701
UniProt ID:	<u>Q9HCH0</u>
Cytogenetics:	12q13.12
MW:	139.5 kDa
Gene Summary:	Regulates microtubule organization and stabilization. Promotes microtubule growth and bundling formation and stabilizes microtubules by increasing intense acetylation of microtubules (PubMed:26482847, PubMed:26485573). Both tubulin-binding and homodimer formation are required for NCKAP5L-mediated microtubule bundle formation (PubMed:26485573).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by same species and orthologous transcript alignments.