

Product datasheet for **SC108379**

CKAP2L (NM_152515) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CKAP2L (NM_152515) Human Untagged Clone
Tag:	Tag Free
Symbol:	CKAP2L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC108379 sequence for NM_152515 edited (data generated by NextGen Sequencing)

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ATGGTGGGGCCCGGCCTACCGCTGCTGCCGCTGTCTGAAGAGCGGCAGAGAAAGCTTCAG
GAGTACCTTGCAGCCAAGGGAAGCTGAAGAGCCAAAACACCAAGCCTTATCTAAATCC
AAGAATAATTGCCAGAATCAACCACTTCTAAATCTACTATTAGACCCAAAAATGATGTT
ACCAACCATGTTGTTTTGCCTGTCAAACCTAAAAGGTCCATCAGCATTAACTCCAGCCC
AGACCCTAATACTGCAGGGTCCAGAGCCGAAGTTGGAGCCACCAAACTTCTGGGC
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TACCCTGTTACTGAACAGAGAGTGAAGCACACCAAAACCCAGAACATACCCAGTTTGCTT
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AAAGCAAAGTTGTTGGCAAGTAAAGGCACCTTTGATGTTATTGGGCTATATGAAGAGGCC
ATTAAAAATGGGCAACACCAATACAAGAGTTGCGGAAAGTTGTTCTTAATATCTTGCAA
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ACATCAGTGGAAGAGCTGGCCAAGAAGATGGAATCTGTGAAGTCTTGCTTTCTCCAAA
GAGAGGGAACAAGTCACGGCGACACCCGAATAGCCAAGGCAGAACAGCATAATTATCCT
GGTATCAAATTACAGATTGGTCCAATCCCTAGAATAAATGGGATGCCGGAAGTGCAAGAC
ATGAAATTTATCACTCCTGTACGGCGTTCGTGAGGATTGAGCGAGCAGTGTCCCGCTAC
CCAGAAATGCTGCAGGAACACGATTTAGTAGTGGCTTCTCTTGATGAAGTGTAGAAAGTG
GAAGAAACAAAATGTTTTATATCCGTAGAAATGAGGCGCTGCCTGTAAACATTGGGGTTT
CAAACCCCTGAATCATAA
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Clone variation with respect to NM_152515.3
1123 a=>g

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152515 unedited TACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGGCACGCCGGTCCTGGCTACAG GCGCGCGTGTGAAGAAAACTGTCACTGAAGAGCATGGTGGGGCCGGGCTACCGCTG CTGCCGCTGTGGAAGAGCGGCAGAGAAAGCTTCAGGAGTACCTTGCCAGCAAGGGAAAAC TGAAGAGCCAAAACACCAAGCCTTATCTAAAATCCAAGAATAATTGCCAGAATCAACCAC CTTCTAAATCTACTATTAGACCCAAAAATGATGTTACCAACCATGTTGTTTTGCCTGTCA AACCTAAAAGGTCCATCAGCATTAACTCCAGCCAGACCACCTAATACTGCAGGGTCCC AGAAGCCGAAGTTGGAGCCACCAAACTTCTGGGCAAAAGGCTGACTTCAGAATGTGTTT CTTCTAACCCATACTCTAAGCCTTCTAGCAAGAGTTTTCAACAGTGTGAAGCTGGATCGT CCACAACAGGAGAACTGTCAAGAAAACCTGTGGGGTCACTTAATATAGAGCAATTGAAAA CTACAAAGCAGCAGTTAACAGATCAAGGAAATGGTAAATGTATAGACTTTATGAATAATA TCCATGTTGAAAACGAATCTTTGGATACTTTCTAAAAGACACANACAAAGAGAATTGC TCGATATCTTAACAGAACCTGAGAGGAAGCCAGATCCTAAATTATATACCATGAGTGAGC CAAAGACTGACTCTTATAATCAAACCAAGAACAGTTTATTTCTAAACAAGCCTTGGGCA CAAGTCAGNTATAGTGCTGCTCTGAAAGAAGGGTTCATAAACATCTGTTGGAGAACACA AGCAGACTTTCCAGTATAACACAGCACTTCTAGAGAGCCATCTGCAGACACGAGTAAAC CTCAGGACGTTCTCTACTTATCGGCCCTATAAATCCGTCTAAGAACATGTCAGACATAA GATAAGCTACAGATAT
Restriction Sites:	NotI-NotI
ACCN:	NM_152515
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>NM_152515.2, NP_689728.2</u>
RefSeq Size:	3220 bp
RefSeq ORF:	2238 bp
Locus ID:	150468
UniProt ID:	<u>Q8IYA6</u>
Cytogenetics:	2q14.1

Gene Summary:

The protein encoded by this gene is thought to be a mitotic spindle protein important to neural stem or progenitor cells. Mutations in this gene have been associated with spindle organization defects, including mitotic spindle defects, lagging chromosomes, and chromatin bridges. There is evidence that mutations in this gene are associated with Filippi syndrome, characterized by growth defects, microcephaly, intellectual disability, facial feature defects, and syndactyly. There is a pseudogene of this gene on chromosome 20. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).