

Product datasheet for SC308859

CENPJ (NM_018451) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CENPJ (NM_018451) Human Untagged Clone
Tag:	Tag Free
Symbol:	CENPJ
Synonyms:	BM032; CENP-J; CPAP; LAP; LIP1; MCPH6; Sas-4; SASS4; SCKL4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_018451 edited
 ATTGTGGCGGCCATTTGTAATGCTGCGGAGATTGAGGTGTCGGTTCGTGCTGCTGAGC
 TGCCCAGGCTTCACGGAGCGGTGTTGAAATCAATAGCTCTTCTAGCCTTGCATTGTTT
 AAATATAATAGTGCATTGGACTAAGATGTTCTGATGCCAACCTCTTCAGAGTTAAACA
 GTGGGCAGAACTCCTAACCCAGTGGGTGACCAATCCTTCTCGGGCTGGGGTCATATTA
 ATCGTGGATTTCTATTTTGAAGCAGACAAAGAGAAGCGAGCAGCTGTGGACATTTCTA
 CCAGCTTTCCTATTAAGGCACACATTTTTCTGATAGCTTCAGCTTTATAAATGAAGAAG
 ATTCACCTCTTGAAGAACAGAAGTTGGAGTCAAACAACCCTTACAAACCACAGTCAGATA
 AATCTGAAACCCATACAGCCTTTCCTTGCATTAAGGAGGACACAGGTAGCGGCATGTC
 ACAGTGCTCCTGGACACCAGGAAGAAAACAAAATGACTTCATCCAGATCTTGGCAGTG
 AATTCAAAGAAGGGCTTATAAAGACCCACTTTTTAAAAAATTGAACAGCTGAAAGAAG
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 TGAAGAACAAGAGAAGCTGCTCACCATGGTGTCTGGGCAGTGACACTTCCAGGTTTGA
 GTTTACTGCCTGATGATCAGAGCCAGAAGCACAGGTCTCCAGGAAATACCACCACTGGAG
 AGAGAGCCACATGCTGCTTCCCATCATATGTCTACCCGGACCCACCCAGGAAGAAACAT
 ACCCGTCCAACATTTTATCCCATGAGCAAAGCAACTTCTGTAGAAGTCTCATGGAGATT
 TTGTCTTAACCTCAAAACGTGCGTCTCCTAATTTATTTCTGAGGCACAGTATCAAGAAG
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 GAGAAAGGAAACAGACCTTTGAAGATTACTTAGAAGAACAATTCAGTTGGAAGGACAAAG
 AACTGAAGCAAAAACAGCTGAAGGAAGCAGAAGGACCATTGCCAATCAAAGCAAAACCAA
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 GTGCAGACAACCCTATCCTTAAAAAGGACAGTAAAGCTAGAACCAAGAGTGGTTCTGTCA
 CCCTCAGTCAGAAGCCGAAAATGCTGAAGTGTAGTAACAGGAAAAGTCTTTCTCCGTCAG



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GATTGAAAATACAGACGGGGAAGAAATGTGATGGGCAGTTTAGAGACCAGATCAAATTTG
 AAAACAAAGTCACATCTAATAATAAGAAAAATGTAAGTGTGTCAAAAACCTTGCGATA
 CTGGCTGCACAGGGTGAATAAGACACAAGGTAAGACAGACTTCCTCTTTCAACAGGGC
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 ACAAGAAAAAATATCTTCCAATGCAAGGCAATCCACCTCGAAGATCCAAGTCTGCACCTC
 CTCGTGATTTAGGCAATTTGGATAAGGGACAAGCTGCCTCTCCCAGGGAGCCACTTGAAC
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 AAATCAGTCATCCTGATGGAAAGGTGGAAAAGGTTTATAAGAATGGGTGCCGTGTATAC
 TGTTTTCCAATGGAACCTCGAAAGGAAGTGAAGTGCAGATGGGAAGACCATCACTGTCACTT
 TCTTTAATGGTGACGTGAAGCAGGTGATGCCAGACCAAGAGTATCTACTACTATGCAG
 CTGCCCAGACCACTCACACGACATACCCGGAGGGACTGGAAGTCTTACATTTCTCAAGTG
 GACAAAATAGAAAAACATTACCCAGATGGAAGAAAAGAAATCACGTTTTCTGACCAGACTG
 TTA AAAACTTATTTCTGATGGACAAGAAGAAAGCATTTC CAGATGGTACAATTGTCA
 GAGTACAACGTGATGGCAACAACTCATAGAGTTTAATAATGGCCAAAGAGAACTACATA
 CTGCCAGTTCAAGAGACGGGAATACCCAGATGGCACTGTTAAAACCGTATATGCAAACG
 GTCATCAAGAAACGAAGTACAGATCCGGTCCGATAAGAGTTAAGGACAAGGAGGTAATG
 TGCTAATGGACACGGAGCTGTGACGATCCTCATGTGATCATGAAGTAACAGTAACTGACT
 TTTTATGTTAAAAATGTACATTTACTGTGGATTCTGTTAATTTATTGTGATGTGTGG
 GAAAAAGATTGGATTCTAAAATAAAAGTTTACCCTGTGGCAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_018451

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:	The open reading frame of this TrueClone was fully sequenced and found to differ from the protein associated to this reference by a single amino acid.
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:	<ol style="list-style-type: none">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_018451.2 , NP_060921.2
RefSeq Size:	4387 bp
RefSeq ORF:	4017 bp
Locus ID:	55835
UniProt ID:	Q9HC77
Cytogenetics:	13q12.12-q12.13
Gene Summary:	<p>This gene encodes a protein that belongs to the centromere protein family. During cell division, this protein plays a structural role in the maintenance of centrosome integrity and normal spindle morphology, and it is involved in microtubule disassembly at the centrosome. This protein can function as a transcriptional coactivator in the Stat5 signaling pathway, and also as a coactivator of NF-kappaB-mediated transcription, likely via its interaction with the coactivator p300/CREB-binding protein. Mutations in this gene are associated with primary autosomal recessive microcephaly, a disorder characterized by severely reduced brain size and cognitive disability. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Apr 2012]</p> <p>Transcript Variant: This variant (1) represents the protein coding transcript.</p>