

Product datasheet for **SC314850**

CSPP1 (NM_024790) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSPP1 (NM_024790) Human Untagged Clone
Tag:	Tag Free
Symbol:	CSPP1
Synonyms:	CSPP; CSPP-L; JBTS21
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_024790 edited
 ATGGATGAGAGGTTTAGATATGAAAAGTATTTTGTAGAGAAGACTTTCGAGAGTGTATACA
 AATGACAGGATGCACAGGAACAAACGAGGGAATATGCCTCCTATGGAACATGATGGGGAT
 GTTATAGAACAGTCAAACATAAGAATTTTCATCTGCTGAAAATAAAAGTGTCCAGACAAT
 GAAACATCCAAATCTGCTAATCAAGATACCTGTAGTCCTTTTGCAGGGATGCTCTTTGGA
 GGTGAAGATCGAGAACTTATTCAGAGAAGGAAAGAGAAAATACAGACTAGAAGTGTGGAA
 CAAATGGCTGAGCAACAGAGGAACAAGAGACGAGAAAAAGATTTAGAAGTCAAGGTTGCA
 GGTCTGGAGCACAAGACCCTGAGAAATCGCCTGATAGACTAAAGCAGTTTAGTGTGGCA
 CCAAGACACTTTGAAGAGATGATACCACCTGAAAGACCCAGAATAGCTTTCCAGACACCT
 CTCCTCTTTATCTGCCCATCTGTCCCACCCATCCCATCAGTTCATCCTGTTCCCTTCT
 CAAAATGAAGATTTGCGCAGTGGACTCAGCAGCGCCCTTGGTAAAATGGTGTCTCCAGG
 ATTGCACCTCTGCCTCCACCTCCCCTACTACCACCTTTGGCTACTAACTATCGAAGTCT
 TATGATGATGCATACTATTTTTATGGGTCAGGAATACTTTCGATCCCAGTCTTGCTTAT
 TATGGTTCAGGAATGATGGGCGTACAGCCTGCAGCTTATGTTAGTGTCTCTGTCACCCAC
 CAACTAGCACAACTGTTGTGAATACGGTTGGACAGAATGAACTGAAGATTACAAGTGT
 CAAGTGATAAATTCAGGATTGATTTTTGAAGATAAACCGAAACCTTCCAACAGTCACTT
 CAGTCTTACCAAGAGGCTTTGCAGCAGCAGATTCGGGAAAAGAGAAGAAAGGAAGAAA
 GAACGTGAAGAAAAGAAGAATATGAAGCTAAATTAGAAGCTGAAATGAGAACATATAAT
 CCCTGGGAAAAGGTGGAGGTGGTGTCTCCTCAGGGATGCAAAAAGGAAATCTGATAAGT
 CATATGCAAAACACAGAGCTCTCCTTTTGTCTGGGAAAATGATTTGGTGAAGCTCCAAC
 GAACCTCAGATTAACAGCAAGAATTATACAAGAATTTCTTCGTTTCCAGATTGAGGAA
 AAGAAAACAAGAGAGGAAGCAGAGCGAGAGAGACTGAGAATTGCAGAAGAAAAGAAGAA
 AGACGGCTTCAGAACAGAGGGCAGAAATTCAGCAGGAGTATGAAGAGGAACAGGAAAAG
 AAAAGAGAGAAAAGAGGAGCAAAAGGCTAAAAAATGAAGAGCATATTCGGTTAGCTGAA
 GAAAGACAAAAGAAGCAGAAAAGAAAAGAAAAGAAAAGAAAATATAACCTGCAA
 CTTCAGCACTACTGTGAAAGAGACAATTTGATTGGGGAAGAAAACAAGCACATGAGACAG
 CCTTCTCCTATAGTTCCTGCTCTCAGAACAAAATTGCAAGCAAACCTCCAAGACCTCCT
 TCAGTTGACAGCATCATACGTTCTTTATTCATGAAAAGTCCATGTCCAGGGCACAGTCA
 CCCCCGTACCTGCCAGGAAAAATCAGCTCCGTGCAGAAGAGGAGAAAAAAAATGTAATT
 ATGGAATTATCAGAAATGAGAAAACAGCTTCGTAGTGAAGAGAGGCGTCTACAAGAGCGA
 TTGCTACACATGGACAGTATGATGAAATTCCTATCAGGAAAAAGGAAAGGAATCCCATG
 GATATATTTGATATGGCTAGACATCGGTTGCAAGCTCCTGTGAGAAGACAGTCCCCTAAG
 GGCTTAGACGCTGCCACTTTTCAGAATGTTTATGATTTTAAATGAGCTGAAAGATAGAGAT
 TCAGAAACACGAGTTGATCTGAAATTTATGTACCTGGATCCTCCAAGAGATCATCACACC
 TTAGAGATTGAGCAGCAAGCCCTGCTAAGAGAGCAGCAGAAGAGGCTGAACAGAAATAAA
 ATGCAGGAAGGTGCCAAAGTTGACTTAGATGCCATCCCAAGTGTAAAGTACGAGAGCAA
 AGAATGCCAGAGATGACACTAGTGATTTCTTGAAAACTCATTATTGGAATCTGATAGT
 GCTTTTATTGGGCTTACGGTGAGACATATCCTGCCATTGAAGATGACGTCCTCCCTCCA
 CCATCACAGTTGCCCTCTGCACGGGAGCGCAGGAGGAACAAATGGAAAGGACTAGACATT
 GATAGCAGTCGTCTAATGTAGCACAGATGGTCTCTCTCTAAAATCTATATCCAGTGTA
 AATGTTGATGAGCTTAGAGTGAGAAATGAGGAACGAATGCGAAGACTGAATGAATTTAC
 AATAAACCTATTAATACAGATGATGAGAGTTCACTGGTTGACCCTGATGACATCATGAAA
 CACATAGGGGATGACGGATCAAACCTCTGTAGCAACTGAGCCCTGGCTCCGCCCTGGCACT
 TCAGAAACGCTGAAACGTTTTCATGGCAGAGCAGCTGAACCAGGAGCAGCAGCAGATTCT
 GGAAAACAGGCACTTTCACTTGGCAGGGCCTGTGACTGCACATGGTTAA

Restriction Sites: Please inquire
ACCN: NM_024790
Insert Size: 3300 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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:	<p>NM_024790.3, NP_079066.3</p>
RefSeq Size:	<p>3726 bp</p>
RefSeq ORF:	<p>2631 bp</p>
Locus ID:	<p>79848</p>
UniProt ID:	<p>Q1MSJ5</p>
Cytogenetics:	<p>8q13.1-q13.2</p>
Gene Summary:	<p>This gene encodes a centrosome and spindle pole associated protein. The encoded protein plays a role in cell-cycle progression and spindle organization, regulates cytokinesis, interacts with Nephrocystin 8 and is required for cilia formation. Mutations in this gene result in primary cilia abnormalities and classical Joubert syndrome. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Apr 2014]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1, also known as CSPP-L).</p>