

Product datasheet for **SC314438**

SCLT1 (NM_144643) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SCLT1
Synonyms:	CAP-1A; CAPIA
Vector:	<u>pCMV6 series</u>



Fully Sequenced ORF: >NCBI ORF sequence for NM_144643, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCAGAAATCGACTTTCTGAGAGAGCAAAATCGAAGACTAAATGAAGATTTAGG
CGGTATCAAATGGAAAGTTTTTCCAAATATTCATCTGTACAGAAAGCTGTCTGCCAAGGA
GAAGGAGACGACACATTGAAAACCTAGTATTTGACCAAAGCTTTTAGCTCCTCTTGT
ACTGAGTATGATAAACCTAGGAGAACTAAATGGGCAGCTGAAATATTACCAGAAACAG
GTGGGTGAGATGAAATTACAACTTGAAAATGTCATCAAGGAAAATGAAAGTTGCACAGT
GAATTAAGATGCTGTTGAAAAAAATTGGAGGCCTTTCCCTTGGCAGAGGTTAGGA
ACTGACATATATGAGATGATGAAACAGTCAGAAACCTTCAAGAACAAATGCAGCTAGCC
AATCAAGAAAAAATCAGGCTGTGGAACCTGGCAGACTGTTTCTCAGGAGTTGGACAGA
CTACACAAGCTTTACCAGGAACATATGACTGAGGCCAGATTATGTTTAAAGTCAA
AAACAAAAGGATCAGCTATTTGATTTTCAACAACCTGACCAAACTTCACTGTTACTAAT
GAGAACATGGAAGTGACTAACCAACAGTTTCTGAAAACAGTAACTGAACAAAGTGATA
ATCGAACAACCTCCGAAAAAATAGGCAAGCCAAATAGAGCTGAGAGTTGCTGTAGCA
AAAGTGGAAGAGTTAACTAATGTGACTGAAGATCTGCAGGGACAGATGAAAAAGAGGAG
AAGGATGTGGTGTCTGCCATGGAAGAGAGGAAGCATCAGATAGGCGTTTACAGCAGTTA
CAGTCTAGTATAAAACAATTAGAAATAAGATTATGTGTGACAATCCAAGAAGCCAACCA
TTAAGAACCAGAAATACACATCTGAAAAACAGACCAGAGAGCTACAAGCAAAGTGCAAT
GAATTAGAAAATGAGAGATATGAGGCTATTGTAAGAGCCAGAAATAGCATGCAACTCTTA
GAAGAAGCTAACCTTCAAAAAAGTCAGGCTCTACTTGAGGAGAAGCAAAAAGAAAGAC
ATAGAGAAAATGAAAGAGACAGTTTCTCGGTTTGTACAAGATGCTACCATAAGAACCAAG
AAAGAAGTTGCAACACCAAAAAACAATGTAATATACAAATTTCTCGATTACAGAAGAA
CTTTCAGCCCTTCAAATGGAGTGTGCTGAAAAACAAGGCCAAATTGAACGAGTCATTAAG
GAAAAAAGCAGTGGAAGAAGAACTAGAAAAGATTTACCGTGAAGGCAGAGGAAATGAG
TGTGATTACAGAAAATGGAAGAAATGCACCAAAGATTCCTGGTTTCAGAGCGTTCAAAA
GATGATCTTCAGCTAAGACTTACGAGAGCAGAAAATAGAATAAAACAACCTGAAACTGAC
TCCTCAGAAGAAATATCACGTTACCAAGAAATGATTCAGAACTTCAAAATGTATTGGAG
TCTGAGAGAGAGAACTGTGGGCTTGTCAAGTGAACAAAGGCTAAAACCTTCAGCAAGAAAAT
AAACAGTTACGGAAGAGACTGAGAGTTTAAAGGAAGATTGCCCTGGAGGCTCAAAAAA
GCCAAGTAAGATCAGTACAATGGAACATGAATTTTCAATAAAGGAACGTGGATTGAA
GTTCAATTGAGAGAGATGGAAGACAGTAATAGAAATCCATTGTTGAAGTGGAGCATCTC
TAGCGACTCAACAGAAAGGCAGCCAAATAGGTGGAAGAAGAAACGAAGAACTTACTGAA
AGTGCAGAAATTAGAATCAATAATCTAAAGAGTGAAGTGCAGAGAACTTCATACC
CAAGAGCTGCTTTCTCAGCTGGAATGGCAAAATGAAAGGTAGCTGAGAATGAAAGCTA
ATTCTAGAGCATCAAGAAAAAGCCACAGACTTCAAAGGCGTCTAAGTCAGGCAGAAGAG
AGAGTGTCTCAGCTTCCAGCAGCTCAGTGTGATTACAGTGCAGAGAAGAAAGCAGCC
TCCCTGATGAATCTGGAATATT

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Restriction Sites: Please inquire

ACCN: NM_144643

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_144643.1, NP_653244.1</u>
RefSeq Size:	2816 bp
RefSeq ORF:	2067 bp
Locus ID:	132320
UniProt ID:	<u>Q96NL6</u>
Cytogenetics:	4q28.2
Gene Summary:	This gene encodes an adaptor protein. Studies of a related gene in rat suggest that the encoded protein functions to link clathrin to the sodium channel protein type 10 subunit alpha protein. The encoded protein has also been identified as a component of distal appendages of centrioles that is necessary for ciliogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).