

## Product datasheet for **SC333808**

### SCLT1 (NM\_001300898) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCLT1 (NM_001300898) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCLT1
Synonyms:	CAP-1A; CAP1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333808 representing NM_001300898. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**  
 ATGGCTGCAGAAATCGACTTTCTGAGAGAGCAAAATCGAAGACTAAATGAAGATTTTAGCGGTATCAA  
 ATGGAAAGTTTTCCAAATATTCATCTGTACAGAAAGCTGTCTGCCAAGGAGAAGGAGACGACACATTT  
 GAAAACCTAGTATTTGACCAAAGCTTTTAGCTCCTCTTGTTACTGAGTATGATAAACACCTAGGAGAA  
 CTAAATGGGCAGCTGAAATATTACCAGAAACAGGTGGGTGAGATGAAATTACAATTGAAATGTCATC  
 AAGGAAAATGAAAGAGTCTTGTCTGTCTCCAGGCTGGAGTGCAGTGGTGCATCTCGGCTCACTGCA  
 AGCTCCGCCTCCCGATTCTGTGCCATTCTCTGCCTCAGCCTCCCAGTAG  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001300898
Insert Size:	396 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).
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).


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**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:** [NM\\_001300898.1](#)

**RefSeq Size:** 2373 bp

**RefSeq ORF:** 396 bp

**Locus ID:** 132320

**UniProt ID:** [Q96NL6](#)

**Cytogenetics:** 4q28.2

**MW:** 15.2 kDa

**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 (3) lacks several exons and uses an alternate 3'-terminal exon, compared to variant 1. The encoded isoform (3) has a shorter and distinct C-terminus, compared to isoform 1.