

Product datasheet for **RC235914**

SCLT1 (NM_001300898) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SCLT1 (NM_001300898) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SCLT1
Synonyms: CAP-1A; CAP1A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC235914 representing NM_001300898
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCTGCAGAAATCGACTTTCTGAGAGAGCAAAATCGAAGACTAAATGAAGATTTAGGCGGTATCAAA
TGGAAAGTTTTCCAAATATTCATCTGTACAGAAAGCTGTCTGCCAAGGAGAAGGAGACGACACATTTGA
AAACCTAGTATTTGACCAAAGCTTTTAGCTCCTCTTGTACTGAGTATGATAAACACCTAGGAGAACTA
AATGGGCAGCTGAAATATTACCAGAAACAGGTGGGTGAGATGAAATTACAACCTGAAAATGTCATCAAGG
AAAATGAAAGAGTCTTGCTCTGTCTCCAGGCTGGAGTGCAGTGGTGCATCTCGGCTCACTGCAAGCTC
CGCTCCCGGATTCGTGCCATTCTCTGCCTCAGCCTCCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235914 representing NM_001300898
Red=Cloning site **Green**=Tags(s)

MAAEIDFLREQNRRLNEDFRRYQMESFSKYSSVQKAVCQGEEDTFENLVFDQSFLAPLVTEYDKHLGEL
NGQLKYYQKQVGEMKLQLENIKENERVLLCLPGWSAVVRSRLTASSASRIRAILLPQPQ

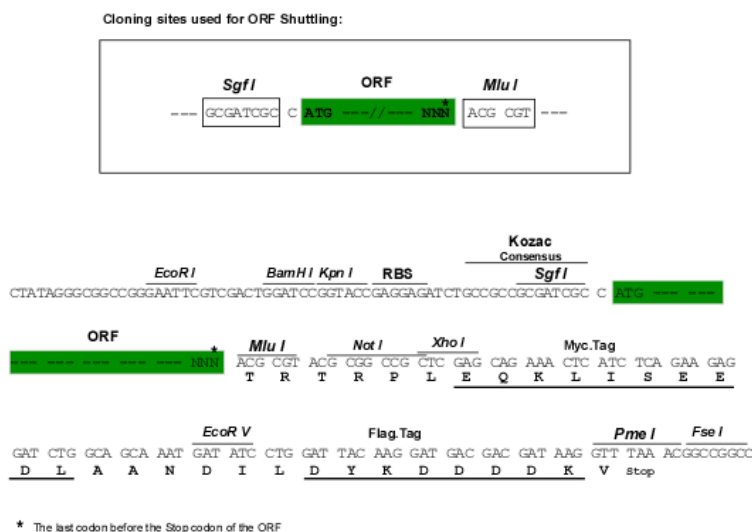
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM 001300898

ORF Size: 393 bp

OTI Disclaimer: 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

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

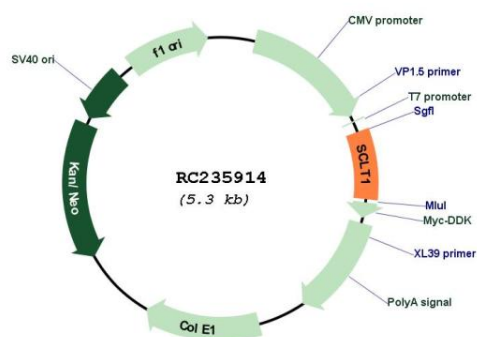
RefSeq: [NM_001300898.2](#)

RefSeq Size: 2373 bp

RefSeq ORF: 396 bp
 Locus ID: 132320
 UniProt ID: [Q96NL6](#)
 Cytogenetics: 4q28.2
 MW: 15.6 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]

Product images:



Circular map for RC235914