

## Product datasheet for **RG235914**

### **SCLT1 (NM\_001300898) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SCLT1 (NM\_001300898) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SCLT1  
**Synonyms:** CAP-1A; CAP1A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG235914 representing NM\_001300898.  
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  
ATGGCTGCAGAAATCGACTTTCTGAGAGAGCAAAATCGAAGACTAAATGAAGATTTTAGGCGGTATCAA  
ATGGAAAGTTTTTCCAAATATTCATCTGTACAGAAAGCTGTCTGCCAAGGAGAAGGAGACGACACATTT  
GAAAACCTAGTATTTGACCAAAGCTTTTAGCTCCTCTTGTTACTGAGTATGATAAACACCTAGGAGAA  
CTAAATGGGCAGCTGAAATATTACCAGAAACAGGTGGGTGAGATGAAATTACAACCTGAAATGTCATC  
AAGGAAAATGAAAGAGTCTTGCTCTGTCTCCAGGCTGGAGTGCACTGGTGCATCTCGGCTCACTGCA  
AGCTCCGCTCCCGGATTCGTGCCATTCTCCTGCCTCAGCCTCCCCAG  
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

**Protein Sequence:** >Peptide sequence encoded by RG235914  
Blue=ORF Red=Cloning site Green=Tag(s)

MAAEIDFLREQNRRLNEDFRRYQMESFSKYSSVQKAVCQGEDDTFENLVFDQSFLAPLVTEYDKHLGE  
LNGQLKYYQKQVGEMKLQLENIKENERVLLCLPGWSAVVRSRLTASSASRIRAILLPPPPQ  
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSTMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI


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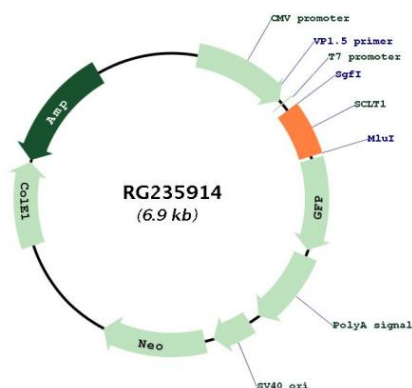
## Cloning Scheme:



ACCN:	NM_001300898
ORF Size:	399 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. <a href="#">More info</a>
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).
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<a href="#">NM_001300898.2</a>
RefSeq Size:	2373 bp
RefSeq ORF:	396 bp
Locus ID:	132320
UniProt ID:	<a href="#">Q96NL6</a>
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 RG235914