

Product datasheet for RC227112

SPECC1L (NM_001145468) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPECC1L (NM_001145468) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPECC1L
Synonyms:	CY TSA; GBBB2; OBLFC1; TBHS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227112 representing NM_001145468 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

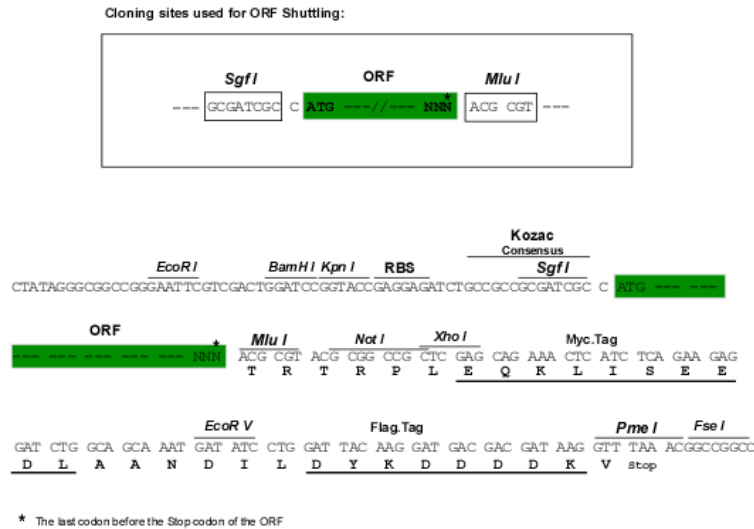
>RC227112 representing NM_001145468
Red=Cloning site Green=Tags(s)

MKKASRSVGSVPKVSIAISKQTAEIKIPENSSASTGGKLVKPGTAASLSKTKSSDLLAGMAGGVTVTN
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145468

ORF Size: 3351 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_001145468.2](#), [NP_001138940.2](#)

RefSeq Size: 6687 bp

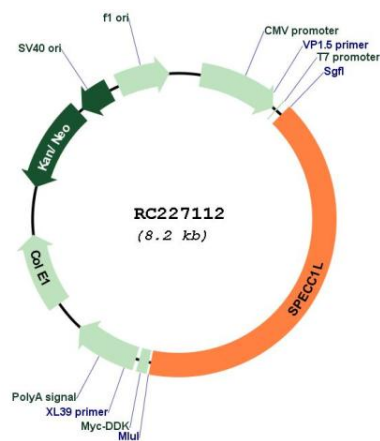
RefSeq ORF: 3354 bp

Locus ID: 23384
Cytogenetics: 22q11.23

MW: 124.6 kDa

Gene Summary: This gene encodes a coiled-coil domain containing protein. The encoded protein may play a critical role in actin-cytoskeletal reorganization during facial morphogenesis. Mutations in this gene are a cause of oblique facial clefting-1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A read-through transcript composed of SPECC1L (sperm antigen with calponin homology and coiled-coil domains 1-like) and the downstream ADORA2A (adenosine A2a receptor) gene sequence has been identified, but it is thought to be non-coding. [provided by RefSeq, Jun 2013]

Product images:



Circular map for RC227112