

## Product datasheet for **RG209342**

### FDCSP (NM\_152997) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FDCSP (NM\_152997) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** FDCSP  
**Synonyms:** C4orf7; FDC-SP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG209342 representing NM\_152997  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGAAAGTTCTCCTCCTGATCACAGCCATCTTGGCAGTGGCTGTTGGTTTCCAGTCTCTCAAGACC  
AGGAACGAGAAAAAGAAGTATCAGTGACAGCGATGAATTAGCTTCAGGGTTTTTGTGTTCCCTTACCC  
ATATCCATTTGCCCCACTTCCACCAATTCATTTCCAAGATTTCCATGGTTAGACGTAATTTCTATT  
CCAATACCTGAATCTGCCCTACAACCTCCCTTCTAGCGAAAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG209342 representing NM\_152997  
Red=Cloning site Green=Tags(s)  
MKKVVLLITAILAVAVGFPVVSQDQEREKRSISDSDELASGFFVFPYPYFRPLPIPFRFPWFRNFPI  
PIPESAPTTPLPSEK

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_152997

**ORF Size:** 255 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.

**RefSeq:** [NM\\_152997.4](#)

**RefSeq Size:** 539 bp

RefSeq ORF:	258 bp
Locus ID:	260436
UniProt ID:	<u>Q8NFU4</u>
Cytogenetics:	4q13
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a small secreted protein that is expressed in follicular dendritic cells. This protein specifically binds to activated B cells, and functions as a regulator of antibody responses. It is also thought to contribute to tumor metastases by promoting cancer cell migration and invasion. [provided by RefSeq, Dec 2011]

**Product images:**



Circular map for RG209342