

Product datasheet for RC209342

FDCSP (NM_152997) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FDCSP (NM_152997) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FDCSP
Synonyms: C4orf7; FDC-SP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC209342 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAGAAAGTTCTCCTCTGATCACAGCCATCTTGGCAGTGGCTGTTGGTTTCCAGTCTCTCAAGACC
 AGGAACGAGAAAAAGAAGTATCAGTGACAGCGATGAATTAGCTTCAGGGTTTTTGTGTTCCCTTACCC
 ATATCCATTTGCCCCACTTCCACCAATTCATTTCCAAGATTTCCATGGTTAGACGTAATTTCTATT
 CCAATACCTGAATCTGCCCTACAACCTCCCTTCTAGCGAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209342 protein sequence
 Red=Cloning site Green=Tags(s)
 MKKVLILLITAILAVAVGFPVSDQEREKRSISDSDELASGFFVFPYPYFPRPLPIPFRFPWFRNFPPI
 PIPESAPTTPLPSEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6548_h04.zip

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.

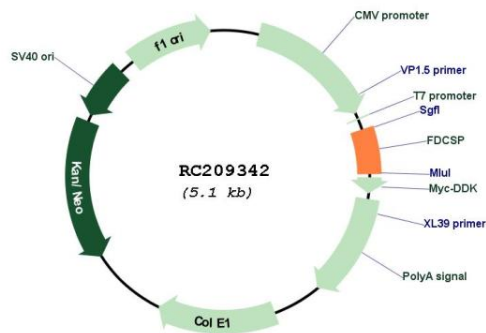
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152997.4](#)

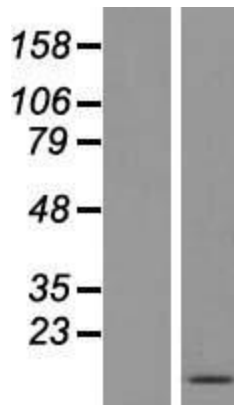
RefSeq Size: 573 bp

RefSeq ORF:	258 bp
Locus ID:	260436
UniProt ID:	Q8NFU4
Cytogenetics:	4q13
Protein Families:	Transmembrane
MW:	9.7 kDa
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 RC209342



Western blot validation of overexpression lysate (Cat# [LY407238]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209342 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).