

Product datasheet for **RC239332**

SPOCD1 (NM_001281988) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPOCD1 (NM_001281988) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SPOCD1
Synonyms:	PPP1R146
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239332 representing NM_001281988
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTCAGCTCACCTCACCTGCCAGAGGCTCAGAAGGAAGAAAAGGCCCATGGTGCAGGGCCCTG
 CTGGGTGCCAGGTTTTCCAGCCTTCTCCTTCAGGAGGCACAGCAGGGGACCCTGGTGGCCTCTTGACCC
 CTTCTACCTCCAAGAAGCGTTCCCTGGCCCTTGGCGACCCAGCTCGGACCCTGCATGTTCCAGAGT
 GGCCCAATGGAGGCTGAAGAGGATTCTCTTCCGGAGCAGCCAGAGGACTCAGCTCAGCTCCAACAGGAGA
 AGCCATCCCTGTATATTGGGTGCGGGGCACTGTTGTCCGTTCCATGCAGGAGTACTATGGACTCGCT
 TCGGGAGCTCCAGACCCAGTGTGAGTGAGGAGGTGGTGGAGGGCATTGCTGCTGGCATTGAGGCAGCC
 CTCTGGGACCTGACACAAGGCACCAATGGCCGGTACAAGACCAAGTATCGCAGCCTGCTGTTCAACCTGC
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 CTCCTCTTTGGGGCTACAGATGAAGCTGGCTCTGAGTGTCCCTCCCTAGAAAGGCC

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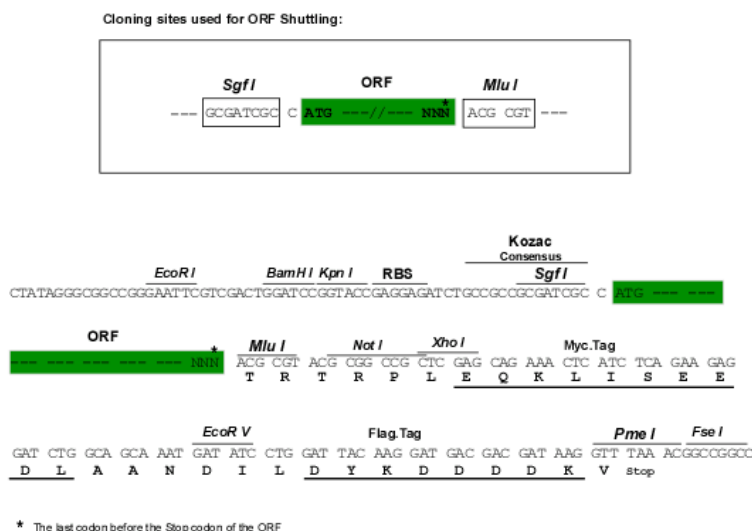
Protein Sequence: >RC239332 representing NM_001281988
Red=Cloning site Green=Tags(s)

MEVSSPSPAQRLRRKKRPMVQGPAGCQVFQSPSGGTAGDPGGLSDPFYPPRSGSLALGDPSSDPACSQS
GPMEAEDSLPEQPEDSAQLQEQEPSLYIGVRGTVVRSMQEVLTWTRLRELDPVLSEEVVEGIAAGTEAA
LWDLTQGTNGRYKTKYRSLLFNLRDPNRNLDLFLKVHGDVTPYDLVRMSSMLAPQELARWRDQEEKRGL
NIIQQQKEPCRLPASKMTHKGEVEIQRMDQTLTLEDLVGPQMFMDCSPQALPIASEDTTGQHDHFLD
PNCHICKDWEPSNELLGSFEAAKSCGDNIFQKALSQTPMPAPEMPKTRELSPTQDRVPPSGLHVPAAP
TKALPCLPPWEGVLDMFISIKRFRARAQLVSGHSCLVQALPTVIRSAGCIPSNIWDLASICPAKAKDV
CVVRLCPHGARDTQNCRLLYSYLNDRQRHGLASVEHGMVLLPLPAFQPLPTRLRPLGGPLEVTHSSL
LAVLLPKEGLPDTAGSSPWLGKQKMFNSKVEKRYYPDDRPNVPLKGTPPPGGAWQQSQGRGSIAP
RGI SAWQRPGRGRRLWPEPENWQHPGRQWPPEPLRQSQHPYSVAPAGHGFGRGQHFHRDSCPHQALL
RHLESLATMSHOLALLCPOTKSSIPRPLORLSSALAAPEPPGPARDSSLGPTDEAGSECPFPRKA

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001281988

ORF Size: 2088 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_001281988.1](#), [NP_001268917.1](#)

RefSeq Size: 2518 bp

RefSeq ORF: 2091 bp

Locus ID: 90853

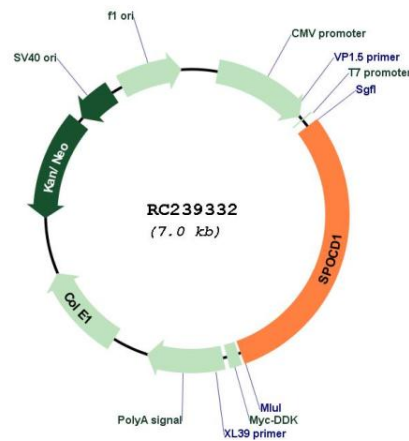
UniProt ID: [Q6ZMY3](#)

Cytogenetics: 1p35.2

MW: 77 kDa

Gene Summary: This gene encodes a protein that belongs to the TFIIIS family of transcription factors. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RC239332