

Product datasheet for **RC215238**

SYCP2L (NM_001040274) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYCP2L (NM_001040274) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SYCP2L
Synonyms:	C6orf177; dj62D2.1; NO145
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC215238 representing NM_001040274
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAAGCGAAAAACAAGATGCTTTGCAGCCTATTAAGGAAGACAGGACTGGGAAGGCCAGGATGATG
 CTTTCTGGCTTCAATCACTTATTACGGATGCATTCATGATAAAGGATTTTCAGAAAAATAAAGAATACTT
 TCAACAGAAAGAGAGCCACTTTCCTCAAAAAATATAATCGTCTTCTATTATACCGTCTTGACAGATCAATA
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 TAGATGGCCTGAAAGAAGATGAACCTCTGCTAATTCGGCAGGGACTGATCCCAAAGCTAGTTTCTGGTT
 TGAAAGAACAACAGGAATTCGACCTCGGAAGGCCTAGCCTCAGACACGTCGCTGATTTGTGTTATAGAA
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 GTGATGAATTTGAGATAACAGAAACGGAGAAGATAAAGATATTTATCATTACCTGAAGAAGCCCATGA
 TTACTCAAGCTTTAGGAGAAGACAACAGATGTTGCTGACCAGAGAAAAATCTCCTCAGAACTTTTGTAGT
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 CTAACATGGTGGAGTTTATGAGTGTGAAGATGACCGCTGCCTAATAACTCTCCACTTAAATGACCAATC
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 GACTTCCCGCAACAACCTAAGTCTCATTACAGAAAACATCTCTTCTGAGAGTAATCAAGATTCAGTA
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 AAGAACCAGAAGTAATTTGAGAATCTTGCCAGTTTTCCCTCCAGTAGTGGCAGTGGCCATGAGAAAAGC
 CAAGCTAAGCTTCTATCACCATCAGAGAAAAGAAATACCCGAGCAAATAACACCACATCTCAAAGACTT
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 GATGCAACTGTTGAGACTCAATAAACTAGAGCGCTTTCAAATTTGGTTCTTCAAGAGTTGAGCAGTCTT
 AAGCAGGATATTACAGCCCTGGAACACCTTGAGAAGGAGTTCTGGAATTTGGGGGAAACAGTCTGCTG
 ATCTGCAATCTTCTGTGATCTGCAAGTGTGAGGTTCAATCAACTCAGACTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215238 representing NM_001040274
Red=Cloning site Green=Tags(s)

MQAKNKDALQPIKEDRTGKAQDDAFWLQSLITDAFHDKGFQKIKEYFQQKESHFPQKYNRLLLYRLDRSI
NKELDKNEFQSVSLLLKCIQRFLVDGLKEDEPLLIRQGLIPKLVSWFERTTGILTSEGLASDTSLICVIE
DFFDTALIIISRSSEGGIQLMDSFLLSLGFLVTEKTVNHLLQQEGLKTFNCILHAVPREERKKFPLSEGM
CHLMKDLARTLLTVGDYDQQVAIASEALCRLTIKKSRDELVHKWFDEVI AEA FKEIKDREFETDSRRFLN
HLNNRLGDQRRVYSFPCIAAFADEHEMRKPADEKLEKFWIDFNLGSQSVTFYIDNAENTLWDSVTLPKEA
VMNFSITETEKIKIFIIYLKPMIISYKEVMKIEIHFDLQFNISQVSIQALGEDKQMLPDQTKISSELS
KSDKEDRESPLERETEQAEESTNMVEFMSAEDDRCLITLHLNDQSEPPVIGEPASDHLQPVPFPGVP
DFPQQPKSHYRKHLSSESNQDSSTSELSWTSNQKKSLKSYSSRKKTRTRSNIILPVFPSSSGSGHEKD
QAKLLSPSEKEIPEQNNTTSPKTSEQKFQDSFAFLTAEDSAQKTELQDPHSLSELSSLKHSEDEEKPKIV
NQESLTESTSLKHKLRNLEDKDIPEGSAKSSRLEEEVAPGSPFSITEERELPEGISTSSLEVVPENL
NGSAILPTFENFTKKRKRKYELRYRKRPFNSENAKKAPDCLIKLLNQMLFRLNKLERFQNLVLQELSSL
KQDIQALEHLEKEVLEFWGKQSADLQSFCDLQVLRFNSTQTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8027_a12.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001040274

ORF Size: 2436 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_001040274.3](#)

RefSeq Size: 3139 bp

RefSeq ORF: 2439 bp

Locus ID: 221711

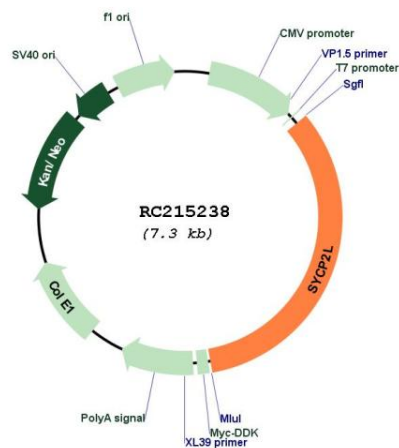
UniProt ID: [Q5T4T6](#)

Cytogenetics: 6p24.2

MW: 93.4 kDa

Gene Summary: Oocyte-specific protein that localizes to centromeres at the dictyate stage and regulates the survival of primordial oocytes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC215238