

## Product datasheet for **RC218412**

### SC5DL (SC5D) (NM\_006918) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | SC5DL (SC5D) (NM_006918) Human Tagged ORF Clone                             |
| Tag:                      | Myc-DDK   |
| Symbol:                   | SC5DL   |
| Synonyms:                 | ERG3; S5DES; SC5DL  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >RC218412 representing NM_006918<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATCTTGACTCCGTGTTGCAGATTACTATTTTTTTACACCATACGTGTATCCAGCCACATGGCCAG  
AAGATGACATCTCCGACAAGCTATTAGTCTTCTGATTGTAACAAATGTTGGTGCTTACATCCTTTATTT  
CTTCTGTGCAACTGAGCTATTATTTTGTCTTCGATCATGCATTAATGAAACATCCACAATTTTTAAAG  
AATCAAGTCCGTCGAGAGATTAAGTTTACTGTCCAGGCATTGCCATGGATAAGTATTCTTACTGTTGCAC  
TGTTCTTGCTGGAGATAAGAGGTTACAGCAAATTACATGATGACCTAGGAGAGTTCCATATGGATTGTT  
TGAACCTGTCGTTAGTATAATATCTTTCCCTCTTTTCACTGACATGTTCACTACTGGATTACAGAGGC  
CTTCATCATAGACTGGTATATAAGCGCCTACATAAACCTCACCATATTTGGAAGATTCCTACTCCATTTG  
CAAGTCATGCTTTTACCCTATTGATGGCTTTCTCAGAGTCTACCTTACCATATATACCCTTTTATCTT  
TCCATTACACAAGGTGGTTTATTTAAGTCTGTACATCTTGGTTAATATCTGGACAATTTCCATTCATGAC  
GGTGATTTTCTGTGCCCCAAATCTTACAGCCATTTAATGGCTCAGCTCATCATACAGACCACCATA  
TGTTCTTTGACTATAATTATGGACAATTTCACTTTGTGGGATAGGATTGGCGGCTCATTCAAAAATCC  
TTCATCCTTTGAGGGGAAGGGACCGCTCAGTTATGTGAAGGAGATGACAGAGGGAAGCGCAGCAGCCAT  
TCAGGAAATGGCTGTAAGAATGAAAAATTATCAATGGAGAGTTTACAAAGACTGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)



**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\\_006918.5](#)

**RefSeq Size:** 2164 bp

**RefSeq ORF:** 900 bp

**Locus ID:** 6309

**UniProt ID:** [O75845](#)

**Cytogenetics:** 11q23.3-q24.1

**Domains:** Sterol\_desat

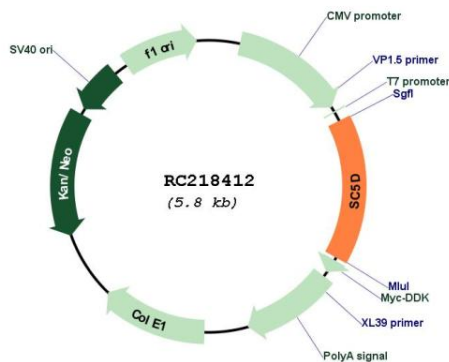
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Metabolic pathways, Steroid biosynthesis

**MW:** 35.1 kDa

**Gene Summary:** This gene encodes an enzyme of cholesterol biosynthesis. The encoded protein catalyzes the conversion of lathosterol into 7-dehydrocholesterol. Mutations in this gene have been associated with lathosterolosis. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RC218412