

## Product datasheet for **SC321590**

### **FSD1 (NM\_024333) Human Untagged Clone**

#### **Product data:**

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | FSD1 (NM_024333) Human Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | FSD1                                  |
| Synonyms:                 | GLFND; MIR1                           |
| Mammalian Cell Selection: | Neomycin                              |
| Vector:                   | pCMV6-AC (PS100020)                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                |



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**Fully Sequenced ORF:** >OriGene sequence for NM\_024333.1  
 ACCCAGCGTGCGCGGGGCCCCGCGGGCCGGGGTACCTGGGCTGCAGCCATGGAAG  
 AACAGAGGGAGGCCCTGAGGAAGATCATCAAACACTGGCTGTGAAGAATGAAGAAATTC  
 AGAGCTTTATCTACTCCCTGAAACAGATGCTGCTGAACGTGGAGGCGAACTCGGCGAAGG  
 TGCAGGAGGACCTCGAAGCAGAGTTCCAGTCCCTTTCTCCCTCCTGGAGGAGCTGAAAG  
 AAGGCATGCTTATGAAGATAAAACAGGACCGTGCCAGCCGACCTACGAGCTGCAGAACC  
 AGCTGGCTGCCTGCACGCGGGCCCTGGAGAGCTCCGAGGAGCTTCTGGAGACAGCCAAC  
 AGACTCTGCAGGCCATGGACAGCGAGGACTTTCCTCAGGCTGCCAAGCAAATCAAAGATG  
 GAGTGACCATGGCCCTGCCTTCCGGCTATCATTGAAAGCGAAGGTGAGTGACAACATGA  
 GTCACCTCATGGTGGACTTCGCGCAAGAGCGGCAGATGCTACAGGCACTCAAGTTCCTGC  
 CTGTGCCAGCGCACCCGTGATCGACCTGGCTGAGTCCCTGGTGGCAGATAAAGTGTGTA  
 CCCTGGTGTGGCGCATGCCGGATGAGGACAGCAAGATTGACCACTACGTGCTGGAGTACC  
 GGGCGACCAACTTCGAGGGCCCCCGCCCTCAAGGAGGACCAGCCCTGGATGGTCATCG  
 AGGGCATCCGGCAGACAGAGTACACCCTGACAGGTCTCAAGTTTGACATGAAATACATGA  
 ACTTCCGTGTGAAGGCCGTAAACAAGGCAGTTGCAGGAGAGTTCTCTGAGCCGGTGACTC  
 TGGAGACACCAGGTTTATGTTCCGCTGGATGCGTCCACATCCCACCAGAACCTGCGGG  
 TGGATGATCTCTCCGTGGAGTGGGACGCTATGGGCGGGAAGGTGCAGGATATCAAGGCTC  
 GCGAGAAAGATGGCAAGGGGCGGACGGCGTCTCCCATCAACTCCCAGCCAGAGGTAAGT  
 CATCTCCAAGAGGATGCCCTCAGGTGCTGGGGACGGGACCGCTTACCCTGAGTCTCT  
 ACACAGTTCTGGGGACACGCTGATCGACGGCGGGGAGCATTACTGGGAGGTGCGCTACG  
 AGCCGGACAGCAAGGCGTTCCGGCTGGGCGTGGCTACCGCAGCTGGGCGCTTCGAGC  
 AACTGGGCAAGACGGCCGCTCCTGGTGCCTGCACGTCAACAATTGGCTGCAGGTGAGT  
 TCACGGCAAGCACGCCAACAAGGTCAAGGTGCTGGACGCCCCGTGCCGACTGCTGG  
 GTGTGCACTGTGACTTCCACCAAGGCCTCCTGTCTTCTACAATGCCCGCACCAACAAG  
 TGCTGCACACTTCAAGACCAGTTTACACAGCCGCTGCTGCCTGCTTTACGGTATGGT  
 GTGGCAGTTCAGGTGACGACAGGCTGCAGGTCCCCAGTGCTGTGCGCTGCCTGCAAA  
 AGCGAGGAGTGTACCAGCAGCTCCAACACCAGCCTCACCTAGGCCCCAGGCACCCAC  
 CCAGCTGGGGTGTGTTTTGGGGAGTCGCCGCAAGCCAGGCTGCTGGAGCCAGGCACCC  
 TCCTCTGCACTTGTGCTTGGAGCCTTAAGTCCAGATGGGGGGTCCCAAGAGGGAGT  
 GGGCACCTGGCGGGCCCTCTCCACCTCACCTTAATAAAGGTGAGACTGGCCAG  
 GCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_024333

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_024333.1](#), [NP\\_077309.1](#)

**RefSeq Size:** 1760 bp

**RefSeq ORF:** 1491 bp

**Locus ID:** 79187

**UniProt ID:** [Q9BTV5](#)

**Cytogenetics:** 19p13.3

**Domains:** BBC, SPRY, FN3

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a centrosome associated protein that is characterized by an N-terminal coiled-coil region downstream of B-box (BBC) domain, a central fibronectin type III domain, and a C-terminal repeats in sPlA and RyR (SPRY) domain. The encoded protein associates with a subset of microtubules and may be involved in the stability and organization of microtubules during cytokinesis. [provided by RefSeq, Apr 2009]