

Product datasheet for **RG200994**

FSD1 (NM_024333) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FSD1 (NM_024333) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FSD1
Synonyms:	GLFND; MIR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG200994 representing NM_024333
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGAACAGAGGGAGGCCCTGAGGAAGATCATCAAAACACTGGCTGTGAAGAATGAAGAAATTCAGA
 GCTTTATCTACTCCCTGAAACAGATGCTGCTGAACGTGGAGGCGAACTCGGCGAAGGTGCAGGAGGACCT
 CGAAGCAGAGTTCAGTCCCTCTTCTCCCTCCTGGAGGAGCTGAAAGAAGGCATGCTTATGAAGATAAAA
 CAGGACCGTGCCAGCCGACCTACGAGCTGCAGAACAGCTGGCTGCCTGCACGCGGGCCCTGGAGAGCT
 CCGAGGAGCTTCTGGAGACAGCCAACCAGACTCTGCAGGCCATGGACAGCGAGGACTTTCCTCAGGCTGC
 CAAGCAAATCAAAGATGGAGTGACCATGGCCCCTGCCTCCGGCTATCATTGAAAGCGAAGGTCACTGAC
 AACATGAGTCACCTCATGGTGGACTTCGCGCAAGAGCGGCAGATGCTACAGGCACTCAAGTTCCTGCCTG
 TGCCACGCGCACCCGTGATCGACCTGGCTGAGTCCCTGGTGGCAGATAACTGTGTGACCCCTGGTGTGGCG
 CATGCCGATGAGGACAGCAAGATTGACCACTACGTGCTGGAGTACCGGCGGACCAACTTCGAGGGCCCCG
 CCCCCTCAAGGAGGACGAGCCCTGGATGGTCAATCGAGGGCATCCGGCAGACAGAGTACACCCTGACAG
 GTCTCAAGTTTGACATGAAATACATGAACCTCCGTGTGAAGGCCTGTAAACAAGGCAGTTGCAGGAGAGTT
 CTCTGAGCCGGTGACTCTGGAGACACGCGTTTATGTTCCGCTGGATGCGTCCACATCCCACCAGAAC
 CTGCGGGTGGATGATCTCTCCGTGGAGTGGGACGCTATGGGCGGGAAGGTGCAGGATATCAAGGCTCGCG
 AGAAAGATGGCAAGGGGGCGGACGCGCTCTCCATCAACTCCCCAGCCAGAGGTAATCCATCTCCCAAGAG
 GATGCCCTCAGGTCGTGGGGGACGGGACCGCTTACCGCTGAGTCTACACAGTTCTGGGGGACACGCTG
 ATCGACGGCGGGGAGCATTACTGGGAGGTGCGCTACGAGCCGACAGCAAGGCGTTCGGCGTGGGCGTGG
 CCTACCGCAGCCTGGGCCGCTTCGAGCAACTGGCAAGACGGCCGCTCCTGGTGCCTGCACGTCAACAA
 TTGGCTGCAGGTCAAGTTCACGGCCAAGCACGCAACAAGGTCAAGGTGCTGGACGCCCCGTGCCCGAC
 TGCTGGGTGTGCACTGTGACTTCCACCAAGGCCTCCTGTCTTCTACAATGCCCCACCAACAAGTGC
 TGCACTTTCAAGACAGGTTACACAGCCGCTGCTGCTGCTTACGGTATGGTGTGGCAGCTTCCA
 GGTGACGACAGGCTGCAGGTCCCAGTGTGTGCGCTGCCTGCAAAAGCGAGGCAGTGTACCAGCAGC
 TCCAACACCGCCTCACC

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

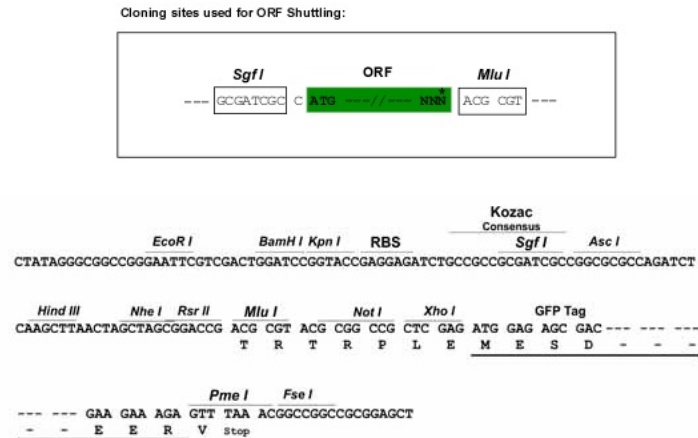
>RG200994 representing NM_024333
 Red=Cloning site Green=Tags(s)

MEEQREALRKIIKTLAVKNEEIQSFIYSLKQMLLNVEANSKVVQEDLEAFQSLFSLLEELKEGMLMKIK
 QDRASRTYELQNQLAACTRALESSEELLETANQTLQAMDEDFPQAAKQIKDGVMTAPAFRLSLKAKVSD
 NMSHLMVDFAQERQMLQALKFLPVPSAPVIDLAESLVADNCVTLVWRMPDEDSKIDHYVLEYRRTNFEGP
 PRLKEDQPMVIEGIRQTEYTLTGLKFDKYMNFVRKACNKAVAGEFSEPVLTETPAFMFRLDASTSHQN
 LRVDDLSEWDAMGGKVQDIKAREKDGKRTASPINSPARGTPSPKRMPSGRGGRDRFTAESYTVLGDTL
 IDGGEHYWEVREPDASKAFGVGVAYRSLGRFEQLGKTAASWCLHVNWLQVSFTAKHANKVKVLDAPVPD
 CLGVHCFHQGLLSFYNARTKQVLHTFKTRFTQPLLPAFTVWCGSFQVTTGLQVPSAVRCLQKRGSATSS
 SNTSLT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_024333

ORF Size: 1488 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_024333.1](#), [NP_077309.1](#)

RefSeq Size: 1760 bp

RefSeq ORF: 1491 bp

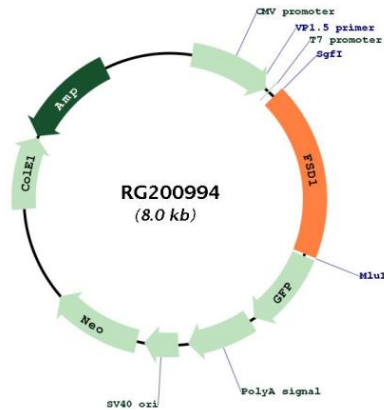
Locus ID: 79187

UniProt ID: [Q9BTU5](#)

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]

Product images:



Circular map for RG200994