

Product datasheet for **MG225942**

Fsd1l (NM_001195284) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fsd1l (NM_001195284) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fsd1l
Synonyms:	A230072O16Rik; Ccdc10; Csdufd1; Fsd1nl; OTTMUSG00000007002
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225942 representing NM_001195284
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACTCGCAGAAAGAAGCTCTACAAAGAATCATTTCAACTCTGGCAAATAAGAGTGATGAGATTCAGA
 ACTTCATTGATACACTAAATCACACACTGAAAGGAGTTCAGGAAAATTCTTCCAACATCCTTTCAGAGTT
 GGATGAAGAATTTGATAGCTTGTACTCTATATTGGATGATGTAAGGAAAAGCATGATTAGCACCATCAAG
 CAGGAGCAAGTGCCAAGTCCCAGGAGTTACAGAGTCAGCTCAGTCAATGTAACAATGCCCTGGAGAACT
 CTGAGGAACTACTAGAATTTGCAACAAGGTCATTAGATATTAAGAACCAGGAAAGATTTTCAAAGGCTGC
 CAGACAGATCAAGGATAGAGTCACAATGGCTTCAGCCTTTCGCTTTCTTTGAAACCAAAAGTCAGTGAC
 AACATGACCCATTAATGGTGGACTTCTCTCAGGAAAGGCAGATGCTGCAAACCTTTGAAGTTTTTGGCAG
 TCCCAAAAGCTCCAGAGATTGACCCAGTAGAGTGTGGTAGCTGACAACCTGTAACTGTAGCTTGGAG
 AATGCCTGAAGAAGATAATAAAATCGACATTTTATAATGGAATACAGGAAAACGAACTTTGATGGACTC
 CCACGTGTTAAGGATGAGCGATGTTGGGAGGTGATTGATAATATCAAGGGCACTGAATATACATTATCAG
 GCTTAAAATTTGATTCAAGTATATGAATTTCCGAGTGAGAGCATGCAACAAAGCTGTGGCTGGAGACTA
 CTCTGACCCAGTGACCCTAGAGACCAGAGCACTTAACTTCAGTCTAGATAACTCATCCCATTGGAAT
 TTGAAAGTTGAAGATTCCTGTGTAGAATGGGACCCCACTGGAGGAAAAGGCCAAGAAAGTAAAATCAAAG
 GGAAGGAGAACAAGGGCAGAAGTGGTACTCCATCCCCAAAACGGACGCTGTAGGCTCCAGGCCACCAGC
 AGTAAGAGGCAGCAGAGACCGTTTTACTGGGGAGTCATACACAGTGTAGGAGACTGCTATTGAAAAT
 GGACAACATTATTGGGAAGTAAAGGCCAGAAGGATTGTAATCCTATAGTGTGGGTGTAGCATATAAAA
 CTTTAGGAAAATTTGATCAGTTAGGAAAAGACAAATACTAGTTGGTGCCTCACGTCAACAGCTGGTTACA
 GAACACATTTGCAGCCAAGCATAATAAATGAGTAAAGCTTTGGATGTTCTCTGTTCTGAGAAAATAGGT
 GTGTTTTGTGACTTTGATGGGGTCAGCTTTCATTTTATGATGCACACTCAAAGCAGTTGCTGTATTCTT
 TCAAGACAAAATTTACTCAGCCAGTAGTACCTGGTTTCATGGTGTGGTGGTGGACTTTCTTTGAGTAC
 TGGAATGCAGGTTCCAAGTGTGTGAGAACACTTCAGAAAAGTAAAACGGAATGACTGGTTCAACTAGC
 AGCCTGAACAATGCTACTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG225942 representing NM_001195284
 Red=Cloning site Green=Tags(s)

MDSQKEALQRIISTLANKSDEIQNFIDTLNHTLKGQVQENSSNILSELDEEFDSLYSILDDVKESMISTIK
 QEQVRKSQELQSQLSQCNNALENSEELLEFAATRSLEDIKEPEEFSKAARQIKDRVTMASAFRLSLKPKVSD
 NMTHLMVDFSQERQMLQTLKFLPVPKAPIDPVECLVADNSVTVAWRMPEEDNKIDHFIMEYRKTNFDGL
 PRVKDERCWEVIDNIKGEYTLKSLKFDKSKYMNFRVRACNKAVAGDYSDPVTLETRALNFSLDNSSSHLN
 LKVEDSCVEWDPTGGKGQESKIKGKENGKGRSGTSPKRTSVGSRPPAVRGSRRDRFTGESYTVLGDIAIEN
 GQHYWEVKAQKDKSYSGVAYKTLGKFDQLGKTNTSWCVHNSWLQNTFAAKHNNKVKALDVPVPEKIG
 VFCDFDGGQLSFYDAHSKQLLYSFKTKFTQPVVPGFMVWCGGLSLSTGMQVPSAVRTLQKSENGMTGSTS
 SLNNVTQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:

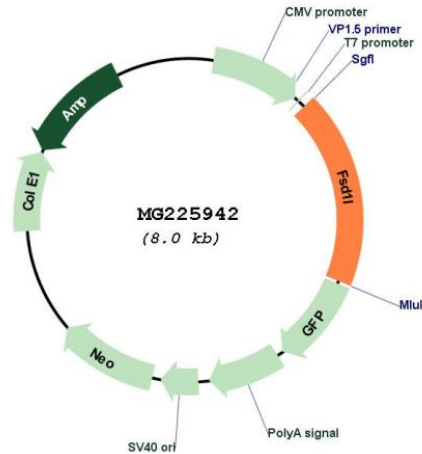


EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---
 T R T R P L E M E S D - - -

PmeI FseI
 --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT
 - - E E R V Stop

Plasmid Map:



ACCN: NM_001195284

ORF Size: 1491 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_001195284.1](#), [NP_001182213.1](#)

RefSeq Size: 7491 bp

RefSeq ORF: 1494 bp

Locus ID: 319636

UniProt ID: [Q8BYN5](#)

Cytogenetics: 4 B2