

Product datasheet for **RC239361**

FSD2 (NM_001281805) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FSD2 (NM_001281805) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FSD2
Synonyms:	SPRYD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239361 representing NM_001281805
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGAGGAGGAATCGGGGAGGAAC TGGGCTGGACAGGTCTACTCCAAGGATTTCCACTTTTACCACA
 TGGACCTGTATGACTCTGAAGACAGACTGCACCTCTTTCCAGAAGAGAACA TAGGATGAGGAAAGTAGT
 CCAAGCTGAAATGGCCAATGAGTCAAGAGGAGCAGGGGATGGTAAGGCTCAAAGAGACCTTCAAGAGGAA
 GTGGATGAACTTGTCCACTTATATGGACTTGAAGATGATCATGAATTAGGGGATGAGTTTGTGATGAAA
 ACATACCCAGAACAGGGGTTTCAGAATATCCTCTTATATGATGAAGAGGAGAGACCCAGCCAGGGAGCA
 GAGAGACTGGAGACTTAGTGGAGAGGCAGCGAGGCCGAGGACCTGGGCTTCGGAGGGTGGGGCTCAGCA
 GGCCAGTGCCAGGACTTGCGGGAAGCCTATAGGTACACACACGGCCGTGCCAGCGAGGAGTATGAATGCT
 ATGTCATCCCCGAGGAAGAGGATGAAGAAGAAGCTGCTGATGTCTTCTGTGCTCACTTGAAGACTCCAAT
 AAGAGCTTTTTCAGAAGGTTTTTGTGAACATAAGGAGCATGAAGTGATCCCACTCAATGAAGCACTGGAA
 AGTGCCAAAGGATGAAATTCACAAAAACATGTACAAATTGGAAAAGCAGATAATTGAGATGGAAAACCTTTG
 CAAATCATTTGGAGGAGTTTTTCATCACTGTGGAGGAGAATTTTGGAAAAACAAGAACAAAACCTTTGAGTC
 ACATTACAACGAGATCTTGGAAACACTTGCTCAAAAATATGAGGAAAAATACAAGCTCTAGGGGAGAAA
 AAGAAAGAGAAGCTGGAAGCCTTATATGGACAACCTGGTCAGCTGTGGAGAAAACCTAGATACTTGCAAAAG
 AACTGATGGAAACAATAGAGGAGATGTGTACAGAGGAGAAGGTGGATTTCATAAAGGATGCAGTGGCTAT
 GGCTGACAGACTCGGGAAATTCCTGAAAACAAAAACAGACGTGGAATCTCTGCACAGCCTGAGTTTGAA
 GACCAGACCTTGGATTTCTGTGTGGAGCAGCTGATGGGCTCCATTAAACACCATTCAGCTCCTTCTG
 CTCCAGTCATAAATCCACAGGTCCTAACTCAGCCACAGGTTCTCAGTCCGAGTGTGCTGGAGCTTATA
 CTCCGACGACACTGTGGAGAGCTATCAGCTGTCTACCGGCCAGTGCAGGACAGCTCACCTGGGACGGAC
 CAAGCAGCACCTTCTCCCCCATTATTAACAAAGAGATAAGGAGCTGTGAAGAGGCTGTGCTGATTT
 GCTGGGAGTCTGGGAACCTGAATCCTGTGGACTCGTACACTGTGGAGCTGACCCAGGCTGAAAGTCCAGA
 AGCCTCGGGTGAAGTGAAGTCTGTTGTGGGCATCCCGACCTGCGAGTCCGTGGTGCAGCTGCAGCCGGGG
 CGGAGCTACATTATCTATGTGCGAGCCCTCAATATGGGGGGCCCCAGCGTGAGGAGCGAGCCAGCTACAG
 TCCACACCATAGGAAGCTACTTTCGCCTAAACAAGGACACTTGCCATCCCTGGCTGACCATTTCTGAAGA
 CGGACTTACGGCTGTACGAAGTGAAGGAGAACCCCCGCCAGGGAGCTGTACCCAGCGACACTCACTTC
 ACCAGGTGTGTTGCTGTGATGGGAAATCTAATTCCAGTCCGAGGGCACCATTACTGGGAGGTGGAGGTGG
 ATGAGCATTTGGACTACAGAGTTGGTGTGGCCTTTGCAGATGTCCGTAACAGGAGGATCTGGGAGCAAA
 TTGCCTCTCCTGGTGCATGAGGCACACATTTGCATCATCAAGGCATAAGTATGAATTTCTGCACAACAGA
 ACAACTCCAGATATAAGAATAACAGTTCACCAAAAGAAGATTGGCATTCTATTAGACTATGAACATTCAA
 AGTTGTCAATTTTCAATGTGGACCTTTCTCAGCATCTATATACATTTAGTTGTGCTGCTTACGAATTTGT
 GCATCCCTGTTTTCTTTGGAAAAGCCTGGGTGTCTAAAGGTACATAATGGCATTTCATGCCAAAACAT
 GTCACCTTCTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239361 representing NM_001281805
 Red=Cloning site Green=Tags(s)

MEEESGEELGLDRSTPKDFHFYHMDLYDSEDRLHLFPEENTMRKVQAEANESRGAGDGKAQRDLQEE
 VDELVHLYGLEDDHELGDDEFVDENIPRTGVSEYPPYMMKRRDPAREQRDWRLSGEAAEAEDLGFGWGSA
 GQCQDLREAYRYTHGRASEEYECYVPIPEEEDDEEAADVFCVTCKTPIRAFQKVDFEHKEHEVIPLNEALE
 SAKDEIHKNMKYLEKQIIEMENFANHLEEVFITVEENFGKQEQNFESHYNEILETLAQYEEKIQALGEK
 KKEKLEALYQLVSCGENLDTCKELMETIEEMCHEEKVDFIKDAVAMADRLGKFLKTKTDVEISAPPEFE
 DQTLDFSDVEQLMGSINTIPAPSAPVINPQVPNSATGSSVRVCWSLYSDDTVESYQLSYRPVQDSSPGTD
 QAAPSPPIIKTKEIRSCEEAVLICWESGNLNPVDSYTVELTQAESPEASGVTESVVGIPTCESVVQLQPG
 RSYIIYVRALNMGGPSVRSEPATVHTIGSYFRLNKDTCHPWLTISEDGLTAVRSERRTPARELSPSDTHF
 TRCVAVMGNLIPVRGHYWEVEVDEHLDYRVGVAFADVRKQEDLGANCLSWCMRHTFASSRHKYEFLNHR
 TTPDIRITVPPKKIGILLDYEHKLSFFNVDSLQHLTYFSCQLHEFVHPCFSLEKPGCLKVHNGISMPKH
 VTFY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001281805

ORF Size: 2112 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001281805.2](#)

RefSeq Size: 6418 bp

RefSeq ORF: 2115 bp

Locus ID: 123722

UniProt ID: [A1L4K1](#)

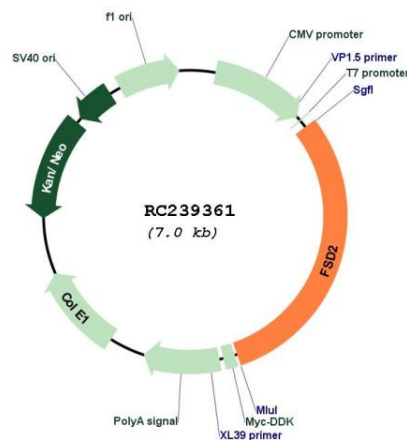
Cytogenetics: 15q25.2

Protein Families: Druggable Genome

MW: 80.7 kDa

Gene Summary: This gene encodes a protein that belongs to the FN3/SPRY family of proteins. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RC239361