

Product datasheet for **RN217162**

Fsd2 (NM_001191627) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fsd2 (NM_001191627) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fsd2
Synonyms:	RGD1305167
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN217162 representing NM_001191627

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGGAGGAAGCAGGGGAGGACCGGGCTGGGAGATCAACAGCCCCAGAGACTTCCACTTTTATC
 ACATGGACCTGTATGACTCTGAAGATAGACTGCAGCTCTTCCCAGGAGAAAGCAGCAGAACCCGGAGGGA
 AGTAACCCAGGCTGAACCTGACCAATGAGCCAAGAGGGGACAGGAGAGTAAAGTCTCCAGAAGGAAGTG
 GACGCGCTTGTCATTTATACGGGCTTGAAGATGAACATGAGTTAGGGGTGAATTTGTGGATGAACACA
 GATTGGGACTCTGGGTATCCGTACGGGATGAGGAGGAGGATCCAGGCAGGAGCAGAGAGACTGGGG
 GCTTAGTGGTGAAGCAGCTGAGGCCGAGGACCTGTGCTACGGAGTTCAAGGCCCTCTGACCAATGCCAA
 GACCTTCGGGAAGCCTACAGGTACACACATGGCCGCGCCAGCGAGGAATATGAATGCTACGTCATCCAG
 AGGAGGAAGATGAGGAAGAGCCTGCTGATGTCTTCTGTGCTCACTTGCAAACTCCAGTGAGAACTGTTGA
 GAAGGATTTTATATACACAAGGAACACGAAGTAACCCCAATCAACAAGGCTCTGGAACAGCCCAAGGAT
 GAAATTCACAAAAATATGTGCAATTTGGAACAGCAGATTATTGAGATGGAAAATTCGCTAGCCACCTGG
 AAGAAGTGTTTCATCACTGTGGAGGAGAATTTTGAAGACAAGAACAAAATTCGAGTGCCATTACACGA
 GATCTTGGAACCCCTCGCTCAGAAGTATGAAGAAAAATTCAGCTCTGGGGGAGAAAAAGAGAGAAG
 CTGGAAGCCCTATATGGACAGCTGGTCACTGTGGAGAGAACCTCGATGCCTGCAGAGAGCTGATGGAAA
 CCATAGAGGAGATGTGTACAGGAGAAAGGTTGACTTCTTAAAGGATGCAGTGGCTATGACTGACAGACT
 GGGGAAATTCCTGAAGACCAAGACAGCTGGAACCTCTGCAAGCCTGAGTTTGAAGACCAGACCCTG
 GACTTCTCGGATGTGGAACAGCTGATGGACTCCATCAATACCGTTCCAGCTCCCTCTGCTCCAGTGATAA
 ATCCCCAGGCACCAACTCAGCAACTGGCTCCTCGGTGCGTGTGTGCTGGAGTTTATACTCTGATGACAC
 CGTGGAGAGCTATCAGCTGTCTTACAGGCCGGTGCAGGACAGCTCACCTGGCAAGGACCAAGCAGAGTTC
 ACCATGACGGTCAAGAAACATATTGCTCAGTGAAAAATCTTGAGCCAAATACCCAGTATGAGTTTTGGG
 TCATAGCTCAAAACAGGACCGGCCCCAGCCCTCTAGTGAGCACGTAGTGTATATGACAGCCCCCTCTCC
 TCCCTCTATAAAACCGAGGCAATCAGGAGCTGTGAAGAGGCCGTGCTGATTTGCTGGGAGTCTGGAAAC
 CTGAATCCCGTGGACTCCTACACAGTGGAGCTAATCCAGGCAGAGACGCCAGAAGCCTCGGGGTAAGTG
 AATCTGTTGTAGGCATCCCAACCTGTGAATCCCTGATACAGCTACAGCCTAGACACAGCTACACGATCTA
 CGTTTCAGCCCTGAATGTGGGGGACACAGTGCCAGAAGCAAGCCTGCTACAGTACACACCAGGAAGC
 TACTTCCAAGTGAACAAGGACACCTGCCACCCCTGGCTGACCATTTCTGAAGACGGGTTTACCGTGGTTC
 GAAGTGAGAAGAAGAGAAGTTTCAGAAGGGAGCTGCCACCCAGCAAGGCGCAGTTTAGCAGGTGCGTTGC
 TGTCTATGGGAAATCTAATTCGGTCCGAGGACGCCATTACTGGGAGGTGGAGGTGGATGAGCATTTGGAC
 TACACTGTTGGTGTGGCCTGTGAAGATGTCCCTAAACAGGAAGACCTGGGAGCAAACCGCTTGTCTGGT
 GCATGAGGCATACATTTGCCTCCACAAGGCACCGGTATGAGTTTCTGCACAATGGGACAACCTCCAGACAT
 AAGGATCACAGTTGCTCCAAAGAAGATCGGCGTCTGCTAGACTATGAGGACTCCAAGCTGTCCTTTTTC
 AACGTGGACATTGCTCAGCACCTGTACAGTTTAGCTGCCCACTCCACCAATTTGTGCATCCCTGCTTTT
 CCTTGGAAAAGTCTGGAGGCCTAAAGATCTGCAATGGCATATCAGCGCCAAAGCAGCTCACTTTCTTTTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001191627

Insert Size:

2241 bp

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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001191627.1, NP_001178556.1</u>
RefSeq Size:	2927 bp
RefSeq ORF:	2241 bp
Locus ID:	308779
Cytogenetics:	1q31