

## Product datasheet for SC127061

### FNDC3B (NM\_022763) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FNDC3B (NM_022763) Human Untagged Clone
Tag:	Tag Free
Symbol:	FNDC3B
Synonyms:	FAD104; PRO4979; YVTM2421
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127061 sequence for NM_022763 edited (data generated by NextGen Sequencing)

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ATGTACGTCACAATGATGATGACCGACCAAATCCCTCTGGAAGTCCACCATGCTGAAC
GGAGAGGTAGCCATGATGCCCACTTGGTGAATGGAGATGCAGCTCAGCAGGTTATTCTC
GTTCAAGTTAATCCAGGTGAGACTTTTACAATAAGAGCAGAGGATGGAACACTTCAGTGC
ATTCAAGGACCTGCTGAAGTTCCCATGATGTCACCCAATGGATCCATTCTCCCATTCAT
GTGCCCTCAGGTTATATCTCACAGGTGATTGAAGATAGTACTGGAGTCCGCCGGTGGT
GTCACACCCAGTCTCCTGAGTGTATCCCCAAGCTACCCCTCAGCCATGTCTCCAACC
CATCATCTCCCTCCCTATCTGACTCACCATCCACATTTTATTTCATAACTCACACACGGCT
TACTACCCACCTGTTACCGGACCTGGAGATATGCCGCTCAGTTTTTTCCCCAGCATCAT
CTTCCCCACACAATATATGGTGAGCAAGAAATTATACCATTTTATGGAATGTCAACCTAC
ATCACCCGAGAAGACCAGTACAGCAAGCCTCCGCACAAAAAACTGAAAGACCGCCAGATC
GATCGCCAGAACCGCCTCAACAGCCCTCCTTCTTCTATCTACAAAAGCAGCTGCACAACA
GTATACAATGGCTATGGGAAGGGCCATAGTGGTGGAAAGTGGCGGAGGCGGCAGCGGTAGT
GGTCCCGGAATTAAGAAAACAGAGCGACGAGCAAGAAGCAGCCCAAAGTCGAATGATTCA
GACTTGCAAGAATATGAGTTGGAAGTAAAGAGGGTGAAGACATTCTTTTCGGGAATAGAG
AAACCACAGGTTTCTAATATTCAGGCAAGAGCAGTTGTGTGTCTGGGCTCCCTGTT
GGACTTTCCTGTGGACCCACAGTGGTCTTTCCCTCCCTACAGTTACGAGGTGGCCTTA
TCAGACAAAGGACGAGATGGAAAATACAAGATAATTTACAGTGGAGAAGAATTAGATGT
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TCCGTAAGGGATCCTGCTCCGAGCCTGTTAGCTTACCACCCACAGCTGTGCACCCGAG
TGTCTTTCCCCCTAAGCTGGCACATAGGAGCAAAAAGTCACTAACCTGCAGTGGAAAG
GCACCAATTGACAACGGTTCAAAAATCACCAACTACCTTTTAGAGTGGGATGAGGGAAAA
AGAAAATAGTGGTTTCAGACAGTGTCTTTCGGGAGCCAGAAGCACTGCAAGTTGACAAA
CTTTGTCCGCAATGGGGTACACATTACAGGCTGGCCGCTCGAAACGACATTGGTACCAGT
GGTTATAGCCAAGAGGTGGTGTGCTACACATTAGGAAAATATCCCTCAGATGCCTTCTGCA
CCAAGGCTGGTTCGAGCTGGCATCACATGGGTCACGTTGCAGTGGAGTAAGCCAGAAGGC

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TGTTACCCGAGGAAGTGATCACCTACACCTTGAAATTCAGGAGGATGAAAATGATAAC  
CTTTCCACCCAAAATACACTGGAGAGGATTTAACCTGTACTGTGAAAAATCTCAAAAGA  
AGCACACAGTATAAATTCAGGCTGACTGCTTCTAATACGGAAGGAAAAAGCTGTCCAAGC  
GAAGTTCTTGTGTACGACGAGTCTGACAGGCTGGACCTCTACCAGACCGCTTGTC  
AAAGGCCAGTTACATCTCATGGCTTTAGTGTCAAATGGGATCCCCCTAAGGACAATGGT  
GGTTCAGAAATCCTCAAGTACTTGCTAGAGATTACTGATGGAAATCTGAAGCGAATCAG  
TGGGAAGTGGCCTACAGTGGGTGGCTACCGAATACACCTTCAACCACTTGAAACCAAGC  
ACTTTGTACAAAACCTCCGAGCATGCTGCATCAGTACCGGCGGACACAGCCAGTGTCTGAA  
AGTCTCCCTGTTTCGACACTAAGCATTGCACCAGGTCAATGTCGACCACCGAGGGTTTTG  
GGTAGACCAAAGCACAAAGAAGTCCACTTAGAGTGGGATGTTCTGCATCGGAAAGTGGC  
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CGTTTTGAAATAAGAGACCTGTTGCCTGCTGCACAGTATTGCTGTAGACTACAGGCTTC  
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ACGGAATTCACATGCTACTCCTTCAGAATCCAGGCAGCAAGCGAGGCTGGAGAAGGGCCC  
TTCTCAGAAACCTATACCTTCAGCACAACCAAAAGTGTCCCCCACCATCAAAGCACCT  
CGAGTAACACAGTTAGAAGGAAATTCATGTGAAATTTTATGGGAGACGGTACCATCAATG  
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CAGGTGTACAAGGAGAAGAAGCCACATTCCAAATCTCAGGCCTCCAGACCAACACAGAC  
TACAGGTTCCGCGTATGTGCGTGTGCTGCTGTTAGACACCTCTCAGGAGCTAAGCGGA  
GCCTTCAGCCCTCTGCGGCTTTTGTATTACAACGAAGTGAAGTTCATGCTTACAGGGGAC  
ATGGGGAGCTTAGATGATCCAAAATGAAGAGCATGATGCCTACTGATGAACAGTTTGCA  
GCCATCATTGTGCTTGGCTTTGCAACTTTGTCCATTTTATTTGCCTTTATATTACAGTAC  
TTCTTAATGAAGTAA

Clone variation with respect to NM\_022763.3

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_022763 unedited  
 GGATTTGTATACGACTACTATAGGGCGGCCGCGATTTCGGCACGAGGGCCAGAGCCCCG  
 CGTTTCAGCCCTAGGGAAGGAAGCCAGTTGAGGGAAGTTCTCCATGAATGTACGTCAAA  
 TGATGATGACCGACCAATCCCTCTGGAAGTCCACCATTGCTGAACGGAGAGGTAGCCA  
 TGATGCCCCACTTGGTGAATGGAGATGCAGCTCAGCAGTTATTCTCGTTCAAGTTAATC  
 CAGGTGAGACTTTCACAATAAGAGCAGAGGATGGAACACTTCAGTGCATTCAAGGACCTG  
 CTGAAGTCCCATGATGTCACCCAATGGATCCATTCTCCCATTCATGTGCCTCCAGGTT  
 ATATCTCACAGGTGATTGAAGATAGTACTGGAGTCCGCCGGTGGTGGTACACCCCACT  
 CTCTGAGTGTTATCCCCAAGCTACCCCTCAGCCATGTCTCCAACCCATCATCTCCCTC  
 CCTATCTGACTACCATCCACATTTTATTATAACTCACACACGGCTTACTACCCACCTG  
 TTACCGGACCTGGAGATATGCCGCTCAGTTTTTCCCAGCATCATCTTCCCACACAA  
 TATATGGTGAAGAAATTATACCATTTTATGGAATGTCAACCTACATCACCCGAGAAG  
 ACCAGTACAGCAAGCCTCCGCACAAAAAACTGAAAGACCGCCAGATCGATCGCCAGAACC  
 GCCTCAACAGCCCTCCTTCTTCTATCTACAAAAGCAGCTGCACAACAGTATACAATGGCT  
 ATGGGAAGGGCCATANTGGTNGAAGTGGCNGNAGCGCANCGNTANTGGTCCCGAATAA  
 GAAACAGAGCGACGAGCAGACCCANGTCGATGATTGAT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_022763 unedited  
 CCTTGGCGTGGCCCTCCCGTTTTCAGCATAGCACTGGTGCACCATCACACTGACACTTTTT  
 TTCTTCCATAAATCTGTAAACAGATATATAACTCAAAAAACAAAAGGGCTTAAAAAGGG  
 GAGTATCTGAATAAATGTGTGATTAAAATGTGTAGCATTAAATCATACTCTAGTTTTG  
 TTGGGTTTACTTCATTAAGAAGTACTGTAATATAAAGGCAAAATAAATGGACAAAGTTGC  
 AAAGCCAAGCACAAATGATGGCTGCAAACTGTTCATCAGTAGGCATCATGCTTTCATTTT  
 GGGATCATCTAAGCTCCCATGTCCCCTGTAAGCATGACCTCACTTCGTTGTAATACAAA  
 AGCCGCAGAGGGGCTGAAGGCTCCGCTTAGCTCCTGAGAGGTGTCTAACAGCGACGACA  
 CGCACATACGCGGAACCTGTAGTCTGTGTTGGTCTGGAGGCTGAGATTTGGAATGTGGC  
 TTCTTCCCTTGTACACCTGTTTGTACTCAGATTCTCTCCAACCAATACCTGCAGAAT  
 GTAGTTAACAGGGTACCTTTCATTGATGGTACCGTCTCCCATAAAATTCACATGAATT  
 TCTTCTAACTGTGTTACTCGAGGTGCTTTGATGGTGGGGGGACACTTTTGGTTGTGCT  
 GAAGGTATAGGTTTCTGAGAAGGGCCCTTCTCCAGCCTCGCTTGTGCCTGGATTCTGAA  
 GGGTAGCATGTGAATCCGTCAGTCTCTGGACCTTGTANGTGGCTGGGTCCTCTGTAA  
 ATGAAATAACCCCTCTGTTTCTGCTCCAGCTGTAGTGTGTACACAATGCCTCAACAAC  
 ATGTGCTTGAAGTTACTGTCTCCCATTTTAACTTCCGGCTCTGAGGACCAGCAGCGCC  
 CCATTCTACCCTAGGAGGCAAGGTGTA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_022763

**Insert Size:**

4000 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).

**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\\_022763.2](#), [NP\\_073600.2](#)

**RefSeq Size:** 6894 bp

**RefSeq ORF:** 3615 bp

**Locus ID:** 64778

**UniProt ID:** [Q53EP0](#)

**Cytogenetics:** 3q26.31

**Domains:** FN3

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** May be a positive regulator of adipogenesis.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript. Both variants encode the same protein.