

Product datasheet for **SC120411**

FENS1 (WDFY1) (NM_020830) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FENS1 (WDFY1) (NM_020830) Human Untagged Clone
Tag:	Tag Free
Symbol:	FENS1
Synonyms:	FENS-1; FENS1; WDF1; ZFYVE17
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020830, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCCGAAATCCAATCCACTCCAGGCCGAGAGCAGCCGCCGGTCTGCTGAGCAAGATCGAGGGGCACC
AGGACGCCGTCACGGCCGCGTCTCATCCCAAGGAGGACGGCGTGATCACGGCCAGCGAGGACAGAAC
CATCCGGGTATGGCTGAAAAGAGACAGTGGTCAATACTGGCCAGCATTTACCACACAATGGCCTCTCT
TGCTCTGCTATGGCTTACCATCATGACAGCAGACGGATATTTGTGGCCAGGATAATGGAGCTGTAATGG
AATTTACGTTTCTGAAGATTTAATAAAATGAACTTTATCAAGACCTACCCAGCTCATCAGAACC GG
GTCTGCGATTATCTTCAGCTTGGCCACAGAGTGGGTGATCAGTACCGGCCAGACAAGTGTGTGAGCTGG
ATGTGCACGCGGAGCGGAAACATGCTCGGGAGGCACTTCTCACGTCCTGGGCTTCGTGTCTGCAATATG
ACTTTGACACTCAGTATGCTTTCGTTGGTGATTATTCTGGGCAGATCACCTGCTGAAGCTTGAACAGAA
CACGTGTTCAATCATCAACCCCTCAAAGGACATGAAGGTAGTGTGCGCTGCCTCTGGTGGGACCCTATT
CAGCGGTTACTCTTCTCAGGAGCATCTGACAACAGCATCATATGTGGGACATCGGAGGAAGGAAAGGCC
GGACGCTGTTACTTCAGGGCCATCATGACAAGGTGAGTGCAGTGCCTGTGCTACCTCAGCTCACCAGGCACT
CGTCTCCTGTTTCTCGGACGGCGGAATTGCAAGTGTGGAACATGGATGTTAGCAGAGAAGAGGCTCCTCAG
TGGTTGAAAAGTATTCTTGTGAGAAATGTGAGCAGCCATTTTCTGGAACATAAAGCAGATGTGGGACA
CCAAGACGCTGGGGCTAAGACAACATCACTGCAGGAAATGCGGGCAGGCTGTCTCGGGAAAGTGCAGCAG
CAAGCGCTCAAGTTACCCAGTCACTGGGCTTCGAGTTCCAAGTCCGGGTTTGTGATTCTTGTACGACTCC
ATCAAAGATGAAGATCGGACTTCTCTAGCGACCTTTCATGAAGGAAAACATAACATTTCCCATGTCCA
TGGACATTGCCAGGGACTGATGGTGACCTGTGGGACCGACCGCATTGTAAGATCTGGGACATGACACC
TGTGGTGGGCTGCAGTCTGGCGACTGGGTTTTCTCCGCACTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020830 unedited
 TCAGCATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGCACGAGCGAACATGG
 CGGCCGAAATCCACTCCAGGCCGAGAGCAGCCGCCCGGTGCTGCTGAGCAAGATCGAGG
 GGCACCAGGACGCCGTACGGCCGCGTCTCATCCCCAAGGAGGACGGCGTGATCACGG
 CCAGCGAGGACAGAACCATCCGGGTATGGCTGAAAAGAGACAGTGGTCAATACTGGCCCA
 GCATTTACCACACAATGGCCTCTCCTTGCTCTGCTATGGCTTACCATCATGACAGCAGAG
 GGATATTTGTGGCCAGGATAATGGAGCTGTAATGGAATTCACGTTTCTGAAGATTTTA
 ATAAAATGAACTTTATCAAGACCTACCCAGCTCATCAGAACCGGGTGTCTGCGATTATCT
 TCAGCTTGGCCACAGAGTGGGTGATCAGTACCGGCCACGACAAGTGTGTGAGCTGGATGT
 GCACACGGAGCGGGAACATGCTCGGGAGGCACTTCTTACGTCCTGGGCTTCGTGTCTGC
 AATATGACTTTGACACTCAGTATGCTTTCGTTGGTGATTATTCTGGGCAGATCACCTGC
 TGAAGCTTGAACAGAACAGTGTTCAGTCATCACAACCTCAAAGGACATGAAGGTAGT
 TCGCCTGCCTCTGGTGGGACCCTATTCAGCGTTACTCTTCTCAGGAGCATCTGACAACA
 GCATCATCATGTGGGACATCGGAGGAAGGAAAGGCCGNACGCTGTACTTCAGGGCCATC
 ATGACAAGGTGCAGTCGCTGTGCTACCTTCAGCTCACCAGGCAGCTCGTCTCCTGTTCT
 CGNACGGCGGNATNGCAGTGTGGAACATGGATGTTAGCANAGAAGAGCTNCTCAGTGTTT
 GAAAAGGATTCTGTCAAATGGAGCAGCCATTTTCTGGACATAAGCAGAGTGGGACACCA
 GACGCTGGGCTAGAACACTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020830 unedited
 CCCCACACAACCNCTCCCCACACCCCCCCCCCCCCCTTTGACTTGGNACCGGGCCGCA
 TNCTACGATCGAGTTTTTTTTTTTTTTTTTTTAAACAAGCAAGGAAGTTTTATTGTGTACA
 TTTTCTCAAAAAAAAAAAAAACCCACAAAAACAGAACCCACAAATAGGAGCAAAGAACAGT
 TTTCTAGCATCTCTGGGATACACAGGGCACCATATCTTATAGAAACATAGCTAGTACAAG
 AACAAAGTGTACTAATTAACATTACCCCTTGCTTCCCCAGTCAAAAAAGGCTATAGAGAA
 AACACTTTAAATTGTAATTAACAATTTGTTGCACAATTAACCTCAACTACTCA
 AAGAGTTATTGTATTGTAACACTGCAGAAAAATAGAATAGGCATTCAATAAATCTGCTCACA
 ATTAACAATTAAGCAATAGACACTTGAATAAATATAGCATGTATTACTTATTTGTTAAGC
 CTTACACTTACGATGAGCAGATGGTTTACTACTATATAGTAACAGATTTTTTTTACACTT
 TAGGAGATACCATATCCAATAACGGAAGTAGAAGTACTTTAACGAAAACTGATTTTAGAA
 AAATATCTCCTTGGGCTGAGCTACTATGCTATTTATTACATATTTGGGTGAGCTTACCC
 AGTTTAAAAATATAGGTACTAACAACTGAATTCCTTTCATGGGAGAACAAAGTAATACAT
 TCTACAGCCATAGTATTTCTTTATATCCTTTAGGCACCAGGACCGAACTTGGACATAGTA
 AAGAGAATTACGACGCAACGAAAAATTTGGTTCTACCTAATGCTATAGGGGTATTGCTAT
 CATTTGAACTAAAAAAGAAACATTTTAAACCTTGTTTAATGAAAAAACCGGAATTCC
 CTTACCCCATATTATCCTACAAGGCAAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_020830

Insert Size:

4700 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_020830.3](#), [NP_065881.1](#)

RefSeq Size: 4607 bp

RefSeq ORF: 1233 bp

Locus ID: 57590

UniProt ID: [Q8IWB7](#)

Cytogenetics: 2q36.1

Domains: FYVE, WD40

Gene Summary: The protein encoded by this gene is a phosphatidylinositol 3-phosphate binding protein, which contains a FYVE zinc finger domain and multiple WD-40 repeat domains. When exogenously expressed, it localizes to early endosomes. Mutagenesis analysis demonstrates that this endosomal localization is mediated by the FYVE domain. [provided by RefSeq, Jan 2015]