

Product datasheet for SC105993

FCHO2 (AL832928) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCHO2 (AL832928) Human Untagged Clone
Tag:	Tag Free
Symbol:	FCHO2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AL832928, the custom clone sequence may differ by one or more nucleotides

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CTGCTTCATTGAGTGCTGCCAATACTCCAACAGTAGGTGTGTACGCGGGTCCCAGCCCTGTCAGCCTTGG
AAATCAGGATACCTTACCTGTGGCAGTTGCCCTTACAGAATCTGTTAATGCCTACTTTAAAGGAGCAGAT
CCCACCAAGTGTATTGTGAAGATCACTGGTGATATGACAATGTCAATTTCCAAGTGAATTATTAAGTCT
TCACCAGCAATCCAATCCAGCTGTGTTGTGCTTCAGGGTGAAAAATATCAGCAGACTAGAGCAGATTCT
TCCAAATGCACAGCTTGTGTTCACTGATCCATCACAATGTGATTCCAACACAAAAGATTTTTGGATGAAC
ATGCAAGCTGTTACAGTCTACCTCAAGAAGCTGTGAGAGCAAAATCCAGCTGCTTCTTATTATAATGTAG
ATGTATTAAAGTATCAGGTATCATCAAAATGGTATTCAGTCCACTCCTCTGAATCTTGCAACATACTGGAA
ATGTAGTGCTAGCACCACAGATCTTAGAGTGGATTATAAATAACAATCCAGAAGCTATGGTGGCACCTAGT
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CAATTCCTCAGCGAGGGAAGTACCCTTTCAGGAGTAGATTTGAACTTGTGGGCACTGGCTATAGGCTTT
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TACATTTTATAGTGCAGAGATACTTTGAAATTCATAAGTTTGATATTCAGTGGATACAAATAGAACAT
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AGATTTAATTTATTTTATATGGAATTGCATAATGTGTGCTTTTAAAAACAATAACAAAAACAGAGATG
TGCTATACAATTTGTGTTCAATATGTGCCTCACTTTTTTCTCAGTCTGAATCTTCTGTTCAGAACTCT
  
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TACAGTGATCAAGCATTTTTATAAGATATTTGCAATTTTTGTAATATTTTTGGCCTGCAACTGGGAAGG
GGATTCAGAGTCATAAAGCCTAACTTAAGAATCCTGGCTCACTTCTTTGGTGATACACTGTAGCCACTAG
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CATCAAAAGTGTGTGAATTTTAAACAAATCTAAAAAACTATAGTGCTAAATTGGTAACTGGTATTTT
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GTGAACATGAGTTTTATGGTATTTTGTGAGGGATGCATTTTTTAAAGATTAATTTTGGAAACAGAAGGA
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ACATCTGCTTCCAAGATTTTGTAAATATTTTGTATTTTTCATTAAATGTAAATTTACATAAAAAGTT
GTGCTCTTAATAAACATGTAATATATAATTTAAAAAAAAAAAAA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for AL832928 unedited
GTATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTTAATGCCT
ACTTTAAAGGAGCAGATCCCACCAAGTGTATTGTGAAGATCACTGGTGATATGACAATGT
CATTTCCAAGTGGAATTATTAAGTCTTCACCAGCAATCCAACTCCAGCTGTGTTGTGCT
TCAGGGTGAAAAATATCAGCAGACTAGAGCAGATTCTTCCAAATGCACAGCTTGTTTCA
GTGATCCATCACAATGTGATTCCAACACAAAAGATTTTGGATGAACATGCAAGCTGTTA
CAGTCTACCTCAAGAAGCTGTGAGAGCAAAATCCAGCTGCTTCTTATTATAATGTAGATG
TATTAAGTATCAGGTATCATCAATGGTATTCACTCCACTCCTGAATCTTGCAACAT
ACTGGAATGTAGTGCTAGCACCACAGATCTTAGAGTGGATTATAAATACAATCCAGAAG
CTATGGTGGCACCTAGTGTGCTTTCAACATACAGGTGGTGGTACCAGTGGATGGAGGAG
TAACGAACATGCAGTCCCTTCCCCTGCAATATGGAATGCAGAACAAATGAAAGCCTTTT
GGAAATTTGTCTAGTATTTAGAAAAATCAGAAAAATGGAGGTTCTGGGTCCTCCGAGCAA
AATTTGATCTTTAGAGGACCTAGTAAACCCACGACACTTGCACTACAATTCCTCAGCG
AGGGAAGTACCCTTTAGGAGTAGATTTGGAATTTGTGGCACTGGCTATAGGCTTTCT
TAATAAGAAGCGTTTGCTACTGGACGATCCTGGCGGATTGTTGATGGACCTGNGAAAGTG
ATGTGGCTTCAGGNATTACAACCTGCCATTCTGCATTATCTGTTCTTTCAACACTATNT
TAANCTGTATGATGTCTTTCAACTTAGACATATTGAGAGCTGACTACAACATTAAATCGA
CTTNTAAGTGAGTCATTTGAATAATAGTACTGAATGATNTNCTTGTGTAATGATA

3' Read Nucleotide Sequence:	>OriGene 3' read for AL832928 unedited <pre> AATGCGTACGCCCCAAATAGGGTTNATTTAAACCGTNNNTTTAATTANTATTTTATTG NANTAAGANNAGGGGGGGGTGTGGGTTTANATTTAATGAAAAAATCAAAAATATTTA CAAAATCTTGGAAGACAGATGTGCATTGTTCTAATTACAATCCAAAGTAGTAAATAACAA TCCTTTAAACTCACATTTATTATAGTTGTGTTTACAAATCTTGGTTAATGAGGAGGGG CAAAGTTTACCATTATATATAAGCAAGAACCAGCTTGCTAGGTACATTTCCCATTTGAAAA TCTACTGGTCTCTTTTACACCATTAGTGGATTTTAAATGGAAAAAATCAATATAA ACTCATATGGCTTCAAAATTGTAACTGTACCAATACTTGGTATGAAGACTGTGGTAAC TAAGAAAGTGCAGAAGTTTAACCATTTCTACTAATTTGTACATTTTAGGTAATACTTGAT TAAAAACAAACACGGTAAAGAACAGTGTCTGAATTCATAATAAATATTGGCTGCCCT AAAAGCAGTTTGATTGCAAAGCAAATTACACTTAATATCCAGTAAGGGACTGTAATTGG CATTTTAAAGAGCACAATATAAGAGTTAGAAATCTAATTTAGCTGACCATTTATTAAAG ATTAGCATTTTAAACAATATCTTATGTGCGGCTTTAAACAAAGTAATTTAACTTGGGCA ACATTGATATATAAAAGCCTAACCGGGTTAAATTTGGCAAAAAAATTTTCTGCGGAA TTTATACAGCAAGATGTCCCAATGTCTGTAATAAAGGTTTAAATTTCTGAAAAGCTTA ACCGAACCAGTAAGGGTTTATAAAATGCACCGAAAGAGAAAAATTAACATTTCTGCAAG GCAACACAGGGCCCCCTTCCGCACACC </pre>
Restriction Sites:	NotI-NotI
ACCN:	AL832928
Insert Size:	3600 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:	AL832928.1
RefSeq Size:	3335 bp
RefSeq ORF:	3335 bp
Locus ID:	115548
Cytogenetics:	5q13.2

Gene Summary:

Functions in an early step of clathrin-mediated endocytosis. Has both a membrane binding/bending activity and the ability to recruit proteins essential to the formation of functional clathrin-coated pits. Has a lipid-binding activity with a preference for membranes enriched in phosphatidylserine and phosphoinositides (Pi(4,5) biphosphate) like the plasma membrane. Its membrane-bending activity might be important for the subsequent action of clathrin and adaptors in the formation of clathrin-coated vesicles. Involved in adaptor protein complex AP-2-dependent endocytosis of the transferrin receptor, it also functions in the AP-2-independent endocytosis of the LDL receptor.[UniProtKB/Swiss-Prot Function]