

Product datasheet for **SC327213**

FCHO2 (NM_001146032) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCHO2 (NM_001146032) Human Untagged Clone
Tag:	Tag Free
Symbol:	FCHO2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001146032, the custom clone sequence may differ by one or more nucleotides

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ATGGTCATGGCGTATTTTCGTCGAGAATTTTGGGGGAAAAAATAGTGGCTTTGATGTC
CTCTACCATAATATGAAACATGGACAGATATCAACAAAAGAACTAGCAGATTTTGTAAAG
GAACGAGCTACCATAGAGGAGGCATACTCCAGGTCAATGACAAAAGTACGAAAATCTGCA
AGCAATTATTCACAACCTTGAACATTTGCACCATGATGGGATGTATTCAAAACATCTACA
GAGAAATTAGCAAAATTGTCATTTGGATCTTGTAGAAAATTACAAGAATTAATAAAGGAA
GTTTCAGAAAGTATGGAGAAGAACAAGTAAAGTCTCATAAAAAGACTAAAGAAGAAGTTGCA
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AACATTCTGATGTAGATGAAGAAGGCTACAGTATTAACCCAGAAACAAATCAGAATGAT
ACCAAAGAGAACCATTTCTACTCATCTAGTGATTCTGACTCCGAAGATGAAGAACCAAAG
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TCTCTTGATTCATCTTCTTCATCTTCACTAATTCATCATCATCAGCCAGGCCCAACAAT
CCTCTTTCTGTAGGCACCATTTGCCACCTCCGAGGCCTGCTTCCAGACCAAGGCTTACT
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TCATCTGCTTCATTGAGTGCTGCCAATACTCCAACAGTAGGTGTGTACGGGGTCCCAGC
CCTGTCAGCCTTGGAATCAGGATACCTTACCTGTGGCAGTTGCCCTTACAGAATCTGTT
AATGCCTACTTTAAAGGAGCAGATCCCACCAAGTGTATTGTGAAGATCACTGGTGATATG
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GCTGTTACAGTCTACCTCAAGAAGCTGTGAGAGCAAAATCCAGCTGCTTCTTATTATAAT
GTAGATGTATTAAGTATCAGGTATCATCAATGGTATTACAGTCCACTCCTCTGAATCTT
GCAACATACTGGAATGTAGTGCTAGCACCACAGATCTTAGAGTGGATTATAATACAAT
CCAGAAGCTATGGTGGCACCTAGTGTGCTTTCCACATACAGGTGGTGGTACCAGTGGAT
GGAGGAGTAACGAACATGCAGTCCCTTCCCCCTGCAATATGGAATGCAGAACAAATGAAA
GCCTTTTGGAAATTGTCTAGTATTTAGAAAAATCAGAAAAATGGAGGTTCTGGGTCCTC
CGAGCAAAATTTGATCTTTCAGAAAGACCTAGTAAACCCACGACACTTGCAGTACAATTC
CTCAGCGAGGGAAGTACCCTTTCAGGAGTAGATTTCGAACCTTGTGGGCACTGGCTATAGG
CTTTCCTTAATAAAGAAGCGTTTGTCTACTGGACGATACCTGGCGGATTGT

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Restriction Sites: Please inquire

ACCN: NM_001146032

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001146032.1, NP_001139504.1</u>
RefSeq Size:	4895 bp
RefSeq ORF:	2334 bp
Locus ID:	115548
UniProt ID:	<u>Q0JRZ9</u>
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] Transcript Variant: This variant (2) lacks an in-frame exon compared to variant 1. The encoded isoform (b) is shorter compared to isoform a.