

Product datasheet for **SC306080**

FCHO2 (NM_138782) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCHO2 (NM_138782) Human Untagged Clone
Tag:	Tag Free
Symbol:	FCHO2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC306080 representing NM_138782.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTCATGGCGTATTTTCGTGAGAATTTTGGGGGAAAAAATAGTGGCTTTGATGTCCTCTACCAT
AATATGAAACATGGACAGATATCAACAAAAGAACTAGCAGATTTTGTAGGGAACGAGCTACCATAGAG
GAGGCATACCTCCAGGTCAATGACAAAAGTACGAAAATCTGCAAGCAATTATTCACAACTTGGAAACATTT
GCACCACTATGGGATGTATTCAAAACATCTACAGAGAAATTAGCAAAATGTCACTTGGATCTTGTTAGA
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TCCAAGGAAAATTACAATGCCAAGTGTGTAGAACAGGAGCGTTTAAAAAGGAAGGAGCTACACAAAAGA
GAAATAGAAAAGGAGCTGTTAAATCTAAGAAAGCTACAGATACCTATAAACTCTATGTGAAAAAATAT
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ATAGGCCAGGTCCATGAAGAATTTATAAATAACATGGCTAATACTACAGTTGAAAGTTTGATACAAAAA
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CACACAATGGCTTCTTTGGATGAATTAAGTATCTATAGGGAATATAAACTCTCCCGAGCAATATCT
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GTCCCACTCCGAGGCTGCTTCCAGACCAAGCTTACTTCAGGCAAACTCAGTGGGATTAATGAAATA
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GAAAGTTCTTCTTCTATCTCATCATCTGCTTCATTGAGTGCTGCCAATCTCAACAGTAGGTGTGTCA
CGGGGTCCAGCCCTGTCAGCCTTGAAATCAGGATACCTTACCTGTGGCAGTTGCCCTTACAGAACTCT
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GATTCCAACACAAAAGATTTTGGATGAACATGCAAGCTGTTACAGTCTACCTCAAGAAGCTGTCAGAG
CAAAATCCAGCTGCTTCTTATTATAATGTAGATGTATTAAGTATCAGGTATCATCAATGGTATTAG
TCCACTCCTCTGAATCTTGCAACATACTGGAAATGTAGTGCTAGCACCACAGATCTTAGAGTGGATTAT
AAATACAATCCAGAAGCTATGGTGGCACCTAGTGCTTTTCAACATACAGGTGGTGGTACCAGTGGAT
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TCAGAAGGACCTAGTAAACCCACGACACTTGCACTACAATTCCTCAGCGAGGGAAGTACCCTTTAGGA
GTAGATTTTCAACTTGTGGCACTGGCTATAGGCTTTCCTTAATAAAGAGCGGTTTGCTACTGGACGA
TACCTGGCGGATTGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI
ACCN: NM_138782
Insert Size: 2433 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:	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_138782.2</u>
RefSeq Size:	4994 bp
RefSeq ORF:	2433 bp
Locus ID:	115548
UniProt ID:	<u>Q0JRZ9</u>
Cytogenetics:	5q13.2
MW:	88.9 kDa
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 (1) represents the longer transcript and encodes the longer isoform (a).