

Product datasheet for **RC218124**

FCHO2 (NM_138782) Human Tagged ORF Clone

Product data:

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



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**ORF Nucleotide
Sequence:**

>RC218124 representing NM_138782
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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Protein Sequence: >RC218124 representing NM_138782
 Red=Cloning site Green=Tags(s)

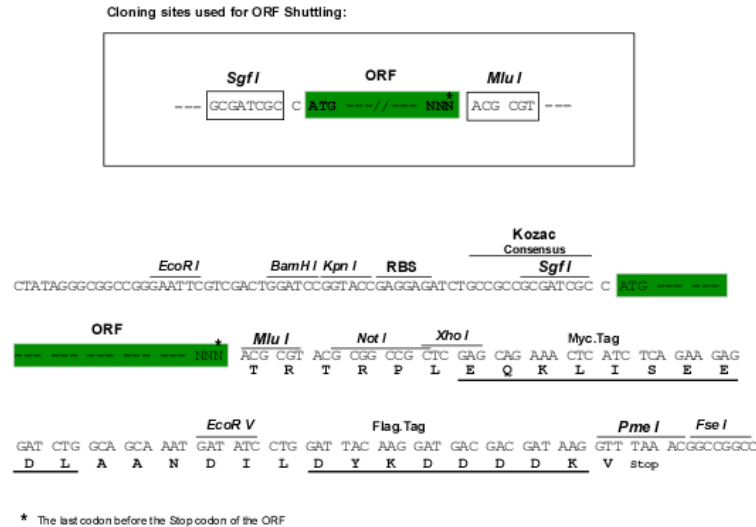
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 DPTKCIKIVITGDMTMSFPSGIIKVFTSNPTPAVLCFRVKNISRLEQILPNAQLVFS DPSQCDSNTKDFWM
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8015_g06.zip

Restriction Sites: Sgfi-MluI

Cloning Scheme:



ACCN:	NM_138782
ORF Size:	2430 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_138782.1](#), [NP_620137.1](#)

RefSeq Size: 4909 bp

RefSeq ORF: 2433 bp

Locus ID: 115548

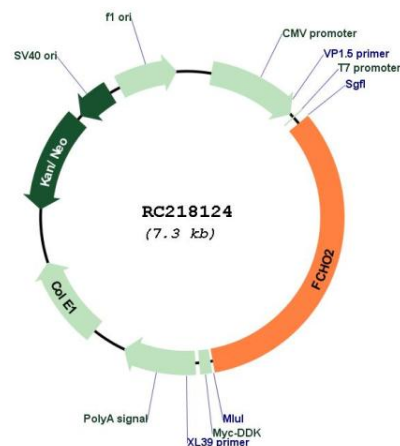
UniProt ID: [Q0JRZ9](#)

Cytogenetics: 5q13.2

MW: 88.7 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]

Product images:



Circular map for RC218124