

Product datasheet for **MG212109**

Hcfc1 (NM_008224) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hcfc1 (NM_008224) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Hcfc1
Synonyms: AW060991; HCF; HCF1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG212109 representing NM_008224
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCGGCTGTGTCTCCCGCAAACCTGCCAGCGGTGCTTCTGCAGCCCCGCTGGAACGGGTGGTGG
 GCTGGTCCGGTCCCGTCCCCGACCCCGCCACGGCCACCGTGCAGTGGCTATCAAGGAGCTTATAGTGGT
 GTTTGGCGGGCAACGAGGGGATAGTGGACGAACTACACGTGTACAACACTGCAACCAACAGTGGTTC
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GGTCCTCAAGCTACAACAGGAACACCACTGGTTACCATGAGACCTGCAAGCCAGGCTGGAAAAGCTCCTG
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 CCAGAAATGAAATCTGCTCCAAAGAAGTCTAAGGCTGATGGTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG212109 representing NM_008224
 Red=Cloning site Green=Tags(s)

MASAVSPANLPAVLLQPRWKRIVGWSGVPVPRRHGRAVAIKELIVVFGGNEGIVDELHVYNTATNQWF
 IPAVRGDIPPGCAAYGFVCDGTRLLVFGGMVEYGYKYSNDLYELQASRWEWKRLKAKTPKNGPPPCPRLGH
 SFSLVGNKCYLFGGLANDEDPKNNIPRYLNDLYILELRPGSGVVAWDIPITYGVLPPPRESHTAVVYTE
 KDNKSKSLVIYGGMSGCRLGDLWTLDIETLTWNKPSLSGVAPLPRSLHSATTIGNKMYVFGGWVPLVMD
 VKVATHEKEWKCTNTLACLNLDTMAWETILMDTLEDNIPRARAGHCVAINTRLYIWSGRDGYRKAANNQ
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 VVPTSTYESLQASSPSTMTMTALEALLCPSATVTQVCSNPPCETHETGTTNTATTSNAGSAQRVCSNPP
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 EVVAVPTVTSQAGSTLLASFPTQVRVCSNPPCETHETGTTHTATTVTSNMSSNQDPPPAASDQGEVASTQG
 DSTNITSASAIITTSVSTLPRAVTTVTQSTPVPGPSVPPPEELQVSPGPRQLPPRQLLQSASTPLMGES
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 VPSTVALLPSTATESLPSNTFVAPQPVVAPAKMQAAATLTVANGIESLGVKPDLPPLPPSKAPVKKEN
 QWFDVGVIKGTSVMVTHYFLPPDDAVQSDDDSGTVPDYNQLKKQELQPGTAYKFRVAGINACGRGPFSEI
 SAFKTCLPGFPGAPCAIKISKSPDGAHLTWEPPSVTSGKIIIEYSVYLAIQSSQASGEPKSSTPAQLAFMR
 VYCGPSPSCLVQSSSLNAHIDYTTKPAIIFRIAARNEKGYGPATQVRWLQETSKDSSGTPASKRPMSS
 PEMKSAPKSKADGQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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_008224.2](#)

RefSeq Size: 8093 bp

RefSeq ORF: 6138 bp

Locus ID: 15161

UniProt ID: [Q61191](#)

Cytogenetics: X 37.52 cM

Gene Summary: This gene encodes a transcription cofactor that regulates the progression of cell cycle and maintain the ability of embryonic stem cells to self-renew. The encoded protein is a large precursor that undergoes site-specific proteolytic cleavage to yield N- and C-terminal chains that form a non-covalent heterodimer. The encoded protein has been implicated in the regulation of expression of immediate early genes after herpes simplex virus infection and glucose-stimulated secretion of insulin by pancreatic beta cells. [provided by RefSeq, Aug 2015]