

Product datasheet for **RC202230**

MCFD2 (NM_139279) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MCFD2 (NM_139279) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MCFD2
Synonyms: F5F8D; F5F8D2; LMAN1IP; SDNSF
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC202230 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCATGAGATCCCTGCTCAGAACCCCTTCTGTGTGGCCTGCTCTGGGCCTTTTGTGCCCCAGGCG
CCAGGGCTGAGGAGCCTGCAGCCAGCTTCTCCCAACCCGGCAGCATGGGCCTGGATAAGAACACAGTGCA
CGACCAAGAGCATATCATGGAGCATCTAGAAGGTGTCATCAACAAACCAGAGGCGGAGATGTCGCCACAA
GAATTGCAGCTCCATTACTTCAAATGCATGATTATGATGGCAATAATTTGCTTGATGGCTTAGAACTCT
CCACAGCCATCACTCATGTCCATAAGGAGGAAGGGAGTGAACAGGCACCACTAATGAGTGAAGATGAACT
GATTAACATAATAGATGGTGTGTTTGGAGAGATGATGACAAGAACAATGATGGATACATTGACTATGCTGAA
TTTGCAAAATCACTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202230 protein sequence
Red=Cloning site Green=Tags(s)

MTMRSLLRTPFLCGLLWAFCAPGARAEPAASFQPGSMGLDKNTVHDQEHIMEHLEGVINKPEAEMSPQ
ELQLHYFKMHDYDGNLLDGLLELSTAITHVHKEEGSEQAPLMSEDELINIIDGVLRRDDKNDGYIDYAE
FAKSLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6013_b11.zip



[View online >](#)

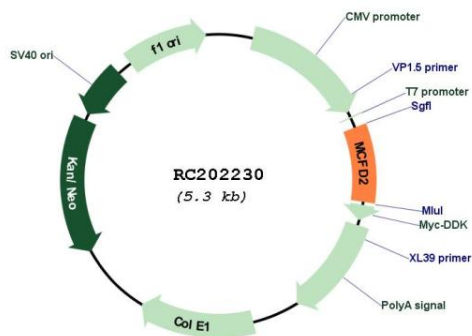
UniProt ID: [Q8NI22](#)

Cytogenetics: 2p21

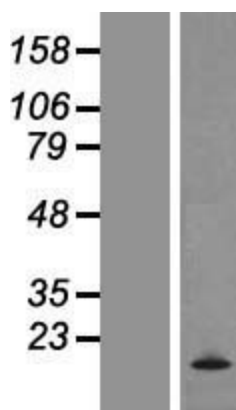
MW: 16.4 kDa

Gene Summary: This gene encodes a soluble luminal protein with two calmodulin-like EF-hand motifs at its C-terminus. This protein forms a complex with LMAN1 (lectin mannose binding protein 1; also known as ERGIC-53) that facilitates the transport of coagulation factors V (FV) and VIII (FVIII) from the endoplasmic reticulum to the Golgi apparatus via an endoplasmic reticulum Golgi intermediate compartment (ERGIC). Mutations in this gene cause combined deficiency of FV and FVIII (F5F8D); a rare autosomal recessive bleeding disorder characterized by mild to moderate bleeding and coordinate reduction in plasma FV and FVIII levels. This protein has also been shown to maintain stem cell potential in adult central nervous system and is a marker for testicular germ cell tumors. The 3' UTR of this gene contains a transposon-like human repeat element named 'THE 1'. A processed RNA pseudogene of this gene is on chromosome 6p22.1. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Apr 2016]

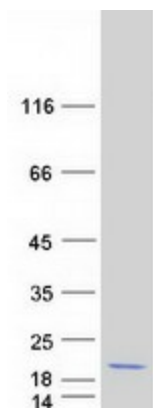
Product images:



Circular map for RC202230



Western blot validation of overexpression lysate (Cat# [LY408335]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202230 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MCFD2 protein (Cat# [TP302230]). The protein was produced from HEK293T cells transfected with MCFD2 cDNA clone (Cat# RC202230) using MegaTran 2.0 (Cat# [TT210002]).