

Product datasheet for **MR228840**

Cfd (NM_001291915) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cfd (NM_001291915) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cfd
Synonyms: A; Adn; DF
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228840 representing NM_001291915
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCACAGCTCCGTGTA
CTTCGTTGGCTCTGGT
GATCCTGGGAGCGGCT
GTATGTGCACAGCCCCGAGGCC
GGATTCTGGGTGGCCAGGAGGCCGAGCCCATGCTCGGCCCTACATGGCTTCCGTGCAAGTGAACGGCAC
ACACGTGTGCGGTGGCACCCTGCTGGACGAGCAGTGGGTGCTCAGTGTGCACACTGCATGGATGGAGTG
ACGGATGACGACTCTGTGCAGGTGCTCCTGGGTGCCCACTCCCTGTCCGCCCTGAACCCACAAGCGAT
GGTATGATGTGCAGAGTGTAGTGCCTCACCCGGGCAGCCGACCTGACAGCCTTGAGGACGACCTCATTCT
TTTTAAGCTATCCAGAATGCCTCGTTGGTCCCCACGTGAGACCCCTACCCTTGCAATACGAGGACAAA
GAAGTGAACCCGGCAGCCTCTGCGACGTGGCTGGTTGGGGTGTGGTCACCCATGCAGGACGCAGGCCTG
ATGTCCTGCATCAACTCAGAGTGTCAATCATGAACCGACAACCTGCAATCTGCGCACGTACCATGACGG
GGTAGTCACCATTAACATGATGTGTGCAGAGAGCAACCGCAGGGACACTGCAGGGGAGACTCCGGCAGC
CCTCTAGTGTGCGGGGATGCAGTCGAAGGTGTGGTTACGTGGGGCTCTCGCGTCTGTGGCAATGGCAAAA
AGCCGGGCGTCTATACCCGAGTGCATCCTACCGGATGTGGATCGAAAACATCACAAATGGTAACATGAC
ATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228840 representing NM_001291915
Red=Cloning site Green=Tags(s)

MHSSVYFVALVILGAAVCAQPRGRILGGQEAAAHARPYMASVQVNGTHVCGGTLLEQWVLSAAHCMDGV
 TDDDSVQVLLGAHSLSAPEPYKRWYDVQSVVPHPGSRPDSLEDDLILFKLSQNASLGPHVRPLPLQYEDK
 EVEPGTLCDVAGWGVVTHAGRRPDVHLQLRVSIMNRRTCNLRTYHDGVVTINMMCAESNRRDTCRGS
 PLVCGDAVEGVVTWGSRVCGNGKKPGVYTRVSSYRMWIENITNGNMTS

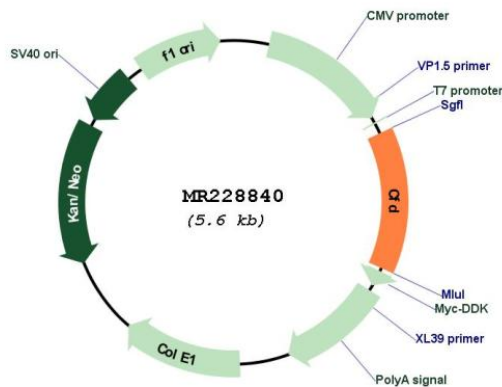
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001291915
ORF Size: 774 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:	<ol style="list-style-type: none">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_001291915.2 , NP_001278844.1
RefSeq Size:	924 bp
RefSeq ORF:	777 bp
Locus ID:	11537
UniProt ID:	P03953
Cytogenetics:	10 39.72 cM
MW:	28.4 kDa
Gene Summary:	This gene encodes a serine protease that plays an important role in the alternative pathway of complement activation for pathogen recognition and elimination. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional enzyme that in turn cleaves factor B in the complement pathway. This gene is expressed in adipocytes and the mature enzyme is secreted into the bloodstream. Mice lacking the encoded product cannot initiate alternative pathway of complement activation. [provided by RefSeq, Jul 2016]