

Product datasheet for **RR212403**

Cfd (NM_001077642) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cfd (NM_001077642) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cfd
Synonyms: Adn; Df; EVE
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212403 representing NM_001077642
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCACAGCTCCGTGTACCTCGTGGCTCTGGTGGTCTGGAGGCGGCTGTATGTGTTGCGCAGCCCCGAG
GTCGGATTCTGGGTGGCCAGGAGGCCATGGCCCATGCTCGGCCCTACATGGCTTCAGTGCAAGTGAATGG
CACGCACGTGTGCGGTGGCACCCCTGGTGGATGAGCAGTGGGTGCTGAGCGCCGCGCACTGCATGGATGGA
GTGACCAAGGATGAGTTGTGCAGGTGCTCCTGGGTGCCCACTCCCTGTCCAGTCCTGAACCTACAAGC
ATTTGTATGATGTGCAAAGTGTAGTGCTTCACCCGGGCAGCCGGCCTGACAGCGTTGAGGACGACCTCAT
GCTCTTTAAGCTCTCCACAATGCCTCACTGGGTCCCCATGTGAGACCCCTGCCCTTGCAACGCGAGGAC
CGGGAGGTGAAACCCGGCACGCTCTGCGATGTGGCCGGTTGGGGCGTGGTCACTCATGCGGGACGCGAGGC
CCGATGTCCTGCAGCAACTGACAGTGTCAATCATGGACCGGAACCTGCAATCTGCGCACGTACCATGA
TGGGGCAATCACCAAGAACATGATGTGTGCAGAGAGCAACCGCAGGGACACTTGCAGGGGCGACTCCGGC
GGTCTCTGGTGTGCGGGGATGCGGTGCAAGCTGTGTTACGTGGGGATCTCGAGTCTGTGGCAACCGGA
GAAAGCCAGGTGCTTTACCCGCGTGGCAACCTACGTGCCGTGGATTGAAACGTTCTGAGTGGTAACGT
GAGTGTTAACGTGACGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212403 representing NM_001077642
 Red=Cloning site Green=Tags(s)

MHSSVYLVALVLEAAVCVAQPRGRILGGQEAMAHARPYMASVQVNGTHVCGGTLVDEQWVLSAAHCMDG
 VTKDEVVQVLLGAHSLSSPEPYKHLVDVQSVVLHPGSRPDSVEDDLMLFKLSHNASLGPVHRPLPLQRED
 REVKPGTLCDVAGWGVVTHAGRRPDVLQQLTVSIMDRNTCNLRTYHDGAIKTNMCAESNRRDTCRGDSG
 GPLVCGDAVEAVVTWGSRVCGNRRKPGVFTRVATYVPWIENVLSGNVSVNVTA

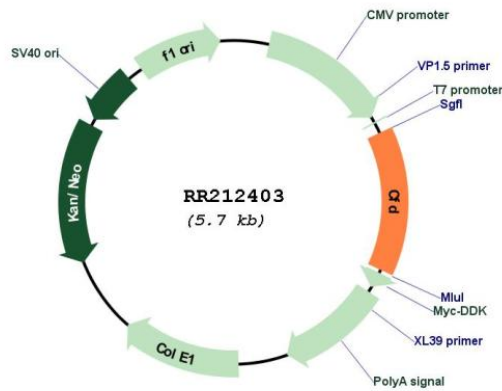
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001077642
ORF Size: 789 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_001077642.1 , NP_001071110.1
RefSeq Size:	846 bp
RefSeq ORF:	792 bp
Locus ID:	54249
UniProt ID:	P32038
Cytogenetics:	7q11
MW:	28.4 kDa
Gene Summary:	serine protease adipocyte-specific protein mediated by the Notch/Hes-1 signaling pathway; can be used as a fecal biomarker for abnormal intestinal epithelial differentiation [RGD, Feb 2006]