

Product datasheet for **RC200793**

FUNDC2 (NM_023934) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FUNDC2 (NM_023934) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FUNDC2
Synonyms: DC44; HCBP6; HCC3; PD03104
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200793 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAACATCTGCCCCACGTGCCGAAGCCAAGTGGTGGCGACAACCTGCGCGCCACTCCGCGGCCTACC
 GCGCAGATCCTCTACGTGTCTCTCGCGAGACAAGCTCACCGAAATGGCCGCGTCCAGTCAAGGAACTT
 TGAGGGAAATTTGAGTCACTGGACCTTGC GAATTTGCTAAGAAGCAGCCATGGTGGCGTAAGCTGTT
 GGGCAGGAATCTGGACCTTCAGCAGAAAAGTATAGCGTGGCAACCCAGCTGTTTCATTGGAGGTGTCAGT
 GATGGTGCACAGGTTTCATATCCAGAAGTTGGAAAGTTGGCTGCAACAGCTGTGGGAGGTGGATTTTT
 TCTCCTTCAGCTTGCAAACCACTGGGTACATCAAAGTTGACTGGCAACGAGTGGAGAAGGACATGAAG
 AAAGCCAAAGAGCAGCTGAAGATCCGTAAGAGCAATCAGATACCTACTGAGGTGAGGAGCAAAGCTGAGG
 AGGTGGTGTCAATTTGTGAAGAAGAATGTTCTAGTAACCTGGGGATTTTTCGGAGGCTTTCTGCTGGCAT
 GGCATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200793 protein sequence
 Red=Cloning site Green=Tags(s)

METSAPRAGSQVATTARHSAAYRADPLRVSSRDKLEMAASSQGNFEGNFESLDLAEFAKKQPWWRKL
 GQESGPSAEKYSVATQLFIGGVGTWCTGFIFQKVGKLAATAVGGGFFLLQLANHTGYIKVDWQRVEKDMK
 KAKEQLKIRKSNQIPTEVRSKAEVVSFVKKNVLVTGGFFGGFLLGMAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mk6086_a08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023934

ORF Size: 567 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.

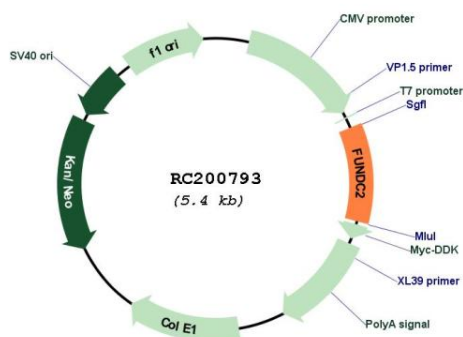
RefSeq: [NM_023934.4](#)

RefSeq Size: 2981 bp

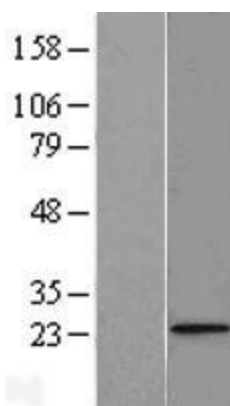
RefSeq ORF: 570 bp

Locus ID: 65991

UniProt ID: [Q9BWH2](#)
 Cytogenetics: Xq28
 Domains: FUN14
 MW: 20.7 kDa

Product images:


Circular map for RC200793



Western blot validation of overexpression lysate (Cat# [LY411439]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200793 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).