

Product datasheet for MR218113

Yrdc (NM_153566) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Yrdc (NM_153566) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Yrdc
Synonyms: AV303379; BC023823; IRIP; ITIP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218113 representing NM_153566
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTACGGCGCTCCGTGCGCGGGCTGAGGGCCGCCGTGGCGCCGGCATGGGGTTGAGCGACGGGC
 CGGCTAGTTCTGGCCGCGGCTGCCGCTCCTACGCCCTCCTGAGCCCGCTCCGGCGCTGCCGGGGCCCG
 GCTGCTGCGGCTCCGGAGAGCGAGCCCGTGAAGCCGCGAGCCCGAGCGCTCCGGCTGGACCGAGGCG
 CTGCGGGCCGCGTGGCCGAGCTGCGCGCCGGCCGCGTGGTGGCGGTCCCGACCGACACGCTCTACGGCC
 TGGCCTGCTCGGCGAGCAGCTCGGCGGCCCTGAGTTGCGTGTACCGCCTCAAAGGCCGAGCGAGGCCAA
 GCCGCTGGCCGTGTGCCTGGGCCGCGTGGCCGAGCTACAGGTACTGTCAGGTGAGAGTACCTAGGGAG
 CTCTGGAAGACCTGTTCCAGGCCCTGTGACCCCTGGTGTGGAGCGCTCCGAGGAGCTCAACAAAGACC
 TGAACCCCTTTACTCGTCTTGTGGCATCCGGATTCTGACCATGCCTTCATGCTGGACTTGGCCAGAT
 GTTTGGGGGACCACTTGCACTACTAGTGCCAACCTCAGCTCCCAGGCCAGTTCTCTGAGTGTGGAGAG
 TTCCAAGACCTCTGGCCTCATTTGTCCCTGTGATTGATGGGGGGCAATTGGGGATAGTCAGAGCCCTG
 AGTGTGCGCTCGGCTCTACTGTGGTTGACTTATCTGTGCCTGGAAAGTTTGGCATTATTCGCCAGGCTG
 TGCCCTGGAACACTACATCGATCCTCCAGCAGAAATATGGGCTGCTCCCTTACAGGGGTCTGTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR218113 representing NM_153566
 Red=Cloning site Green=Tags(s)

MSTARPCAGLRAAVAAGMGLSDGPASSGRGCRLLRPPEPAPALPGARLLRLPESEPVEAASPERSGWTEA
 LRAAVAE LRAGAVVAVPTDTLYGLACSASSAALSCVYRLKGRSEAKPLAVCLGRVADVRYCQVRVPRE
 LLEDLFPGPVTLVMERSEELNKDLNPFTRLVGIRIPDHAFMLDLAQMFGGPLALTSANLSSQASSLSVEE
 FQDLWPHLSLVIDGGPIGDSQSPECRLGSTVVDLSVPGKFGIIRPGCALENTTILQKQYGLLPSQGSCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_153566

ORF Size: 840 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_153566.2](#), [NP_705794.2](#)

RefSeq Size: 1558 bp

RefSeq ORF: 843 bp

Locus ID: 230734

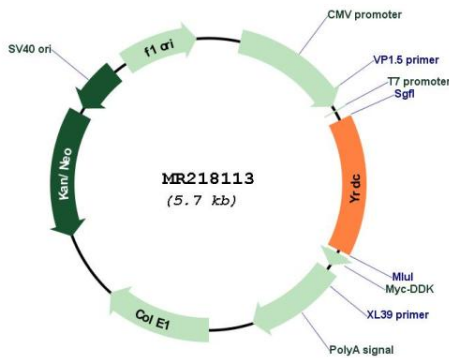
UniProt ID: [Q3U5F4](#)

Cytogenetics: 4 D2.2

MW: 29.9 kDa

Gene Summary: May regulate the activity of some transporters.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218113