

Product datasheet for **RC231467**

XIRP1 (NM_001198621) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	XIRP1
Synonyms:	CMYA1; Xin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231467 representing NM_001198621
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCCGACACCCAGACACAGGTGGCCCCACACCAACCATGAGGATGGCAACTGCAGAGGACCTGCCCC
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GCAGCGGCAAGCTAGTAGCTCCGCCGCTCTACAGGCACATCCACCTGAGCTCCGCAAGAATCTGGCT
GAGGCTGTGGCCGAGGATCTGGCTGAGGTCTGGGCTCTGAGGAACCCACCGAGGGTGACGTTCACTGCA
TGCGCTGGATCTTTGAGAACTGGAGACTGGATGCCATTGGAGAACACGAGAGGCCAGCTGCCAAGGAGCC
CGTGCTGTGTGGTGACGTCCAGGCCACCTCCGCAAGTTGAGGAAGGCTCCTTTGCCAACAGCACAGAC
CAGGAGCCAACAGGCCCCAGCCAGGTGGAGGAGACGTTCTGTGCAGCCCGCTGGCTATTTGAGACAAAGC
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TCTTCCAAACGAGCCCTGTGTGCCATCCAGGATGCAGAGGGCGCCATCCATGAGGTCAAGGCCGATG
CCGGGAGGAGATCCAAAGCAACGCGGTGAGGTCTGCCCGCTGGCTCTTTGAGACCCGCTCTGGACGCC
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GGATGTTTGAGACACAGCCCCTAGACCAGCTCGGCCGAAGCCCCAGTACCATCGACGTGGTGCAGGGGCAT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>RC231467 representing NM_001198621
Red=Cloning site Green=Tags(s)

MADTQTQVAPTPTMRMATAEDLPLPPPALEDLPLPPKESFSKFHQQRQASELRRLYRHIHPELRKNLA
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ALPFSQSAPQRDELKGDVKTFTKNLFETLPLDSIGQGEVLHGPSREEGTDSAGQAQIGSPVYAMQDSK
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MIHQREQQERQKEEGKSQGDPPQPEAPPKGDVQTIKRWLFETCPMSLAELKQGEVTDPTAKAEAQSTWFM
KPQPVDRPVGSREQLQVSQVPAGERQTDHVFETPLQASGRPCGRRPVRYCSRVEIPSGQVSRQKEVF
QALEAGKKEEQEPRVIAGSIPAGSVHKFTWLFCNCPMGLAAESIQGGNLLQPMSPSGNRMQESQETA
AEGTLRLTHATPGILHHGGILMEARGPGLCLAKYVLSGTGQGHPIRKEELVSGELPRIICQVLRPPDV
DQQLLVQEDPTGQLQLKPLRLPTPGSSGNIEDMDPELQQLLACGLGTSVARTGLVMQETEQLVALTAY
SLQPRLTSKASERSVQLLASCIDKGLSLHSLRWEPPADPSVPVASEGAQSLHPTESIIVHVPPLDPSM
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L

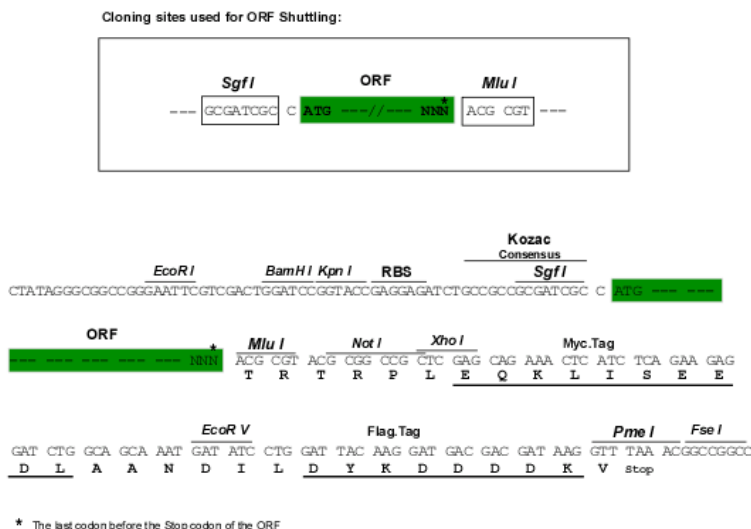
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8110_b01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001198621

ORF Size: 3363 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22µm filter is required.

RefSeq: NM_001198621.4

RefSeq ORF: 3366 bp

Locus ID: 165904

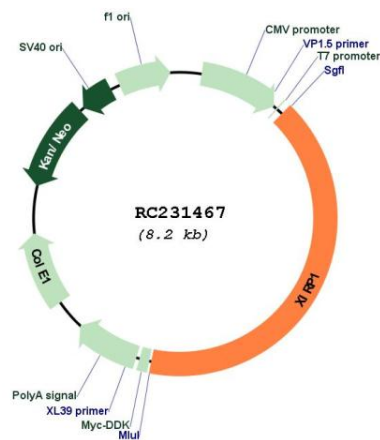
UniProt ID: [Q702N8](#)

Cytogenetics: 3p22.2

MW: 122.6 kDa

Gene Summary: The protein encoded by this gene is a striated muscle protein and belongs to the Xin actin-binding repeat-containing protein (XIRP) family. The protein functions to protect actin filaments during depolymerization. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2017]

Product images:



Circular map for RC231467