

Product datasheet for **SC124027**

XIRP1 (NM_194293) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XIRP1 (NM_194293) Human Untagged Clone
Tag:	Tag Free
Symbol:	XIRP1
Synonyms:	CMYA1; Xin
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_194293, the custom clone sequence may differ by one or more nucleotides

ATGGCCGACACCCAGACACAGGTGGCCCCACACCAACCATGAGGATGGCAACTGCAGAGGACCTGCCCC
TCCCTCCACCCAGCCCTGGAGGACCTGCCACTGCCGCCACCCAAGGAATCCTTCTCCAAGTTCCATCA
GCAGCGGCAAGCTAGTGAGCTCCGCCGCTCTACAGGCACATCCACCCTGAGCTCCGCAAGAATCTGGCT
GAGGCTGTGGCCGAGGATCTGGCTGAGGTCTGGGCTCTGAGGAACCCACCGAGGGTGACGTTCACTGCA
TGCGCTGGATCTTTGAGAACTGGAGACTGGATGCCATTGGAGAACACGAGAGGCCAGCTGCCAAGGAGCC
CGTGCTGTGTGGTGACGTCCAGGCCACCTCCCGCAAGTTTGAGGAAGGCTCCTTTGCCAACAGCACAGAC
CAGGAGCCAACCAAGGCCAGCCAGGTGGAGGAGACGTTCTGTGCAGCCCGCTGGCTATTTGAGACAAAGC
CACTGGACGAGCTGACAGGGCAAGCCAAGGAAGTGGAGGCCACTGTGAGGGAGCCTGCAGCCAGCGGAGA
TGTGCAGGGTACCAGGATGCTCTTTGAGACGCGGCCGCTGGACCGCTGGGCTCCCGCCCCCTCCCTGCAG
GAGCAGAGCCCCCTTGAACTGCGCTCAGAGATCCAGGAGCTGAAGGGTGATGTGAAAAAGACAGTGAAGC
TCTTCCAAACGGAGCCCCCTGTGTGCCATCCAGGATGCAGAGGGCGCCATCCATGAGGTCAAGGCCGATG
CCGGGAGGAGATCCAAAGCAACGCGGTGAGGTCTGCCGCTGGCTCTTTGAGACCCGGCTCTGGACGCC
ATCAACCAGGACCCAGCCAGGTGCGGGTGATCCGGGGGATTTCCCTGGAGGAGGGGGCCCGGCCGACG
TCAGTGCAACTCGCTGGATCTTTGAGACACAGCCCTGGATGCCATCCGGGAGATCTTGGTAGATGAGAA
GGACTTCAGCCATCCCAGACCTTATCCACCTGGTCCAGATGTTCCAGCAGCAGCAGCATCTGTTTGAG
ACCCGAGCGCTGGACACTCTGAAGGGGGACGAAGAGGCTGGAGCAGAGGGCCCCACCCAAGGAGGAAGTGG
TCCCTGGTGATGTCGCTCCACCCTGTGGCTATTTGAAACAAAGCCCCCTGGATGCTTTCCAGACAAAGGT
CCAAGTGGGTACCTACAGCGAGTGGATCCCCAGGACGGTGAGGGGCATCTATCCAGTGACAGCTCCTCA
GCACTGCCCTTCTCAGAGTGCCCCCAGAGGGATGAGCTAAAGGGGGATGTGAAGACTTTTAAGAACC
TTTTTGAGACCTTCCCTTGACAGCATTGGACAGGGTGAGGTTCTGGCCATGGGAGTCCAAGCAGAGA
AGAAGGAAGTATTCTGCTGGGAGGCCAGGGCATAGGGTCCCCAGTGTATGCCATGCAGGACAGCAAG
GGCCGCTCCATGCCCTGACCTCTGTTAGCAGAGAGCAGATAGTCGGAGGTGATGTGCAGGGCTACAGGT
GGATGTTTGAGACACAGCCCCTAGACCAGCTCGGCCGAAGCCCCAGTACCATCGACGTGGTGCGGGGCAT



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CACCCGGCAGGAAGTGGTGGCTGGGGACGTTGGCACAGCTCGGTGGCTTTTTGAGACCCAGCCCCTGGAG
 ATGATCCACCAACGGGAGCAGCAGGAACGACAGAAAGAAGGGAAGAGTCAGGGAGACCCCCAGCCTG
 AGGCACCCCCAAAGGGCGATGTGCAGACCATCCGGTGGTTGTTTCGAGACTTGCCCAATGAGTGAGTTGGC
 CGAAAAGCAGGGGTGAGAGGTACAGATCCACAGCCAAGGCTGAGGCACAGTCTGCACCTGGATGTTT
 AAGCCCCAACCTGTGGACAGGCCAGTGGGCTCCAGGGAGCAGCACCTGCAGGTTAGCCAGGTCCCGGCTG
 GGGAAAGACAGACAGACAGACAGTCTTTGAGACCGAGCCTCTTCAGGCCTCAGGCCGTCCCTGTGGAAG
 ACGGCCTGTGAGATACTGCAGCCGCTGGAGATCCCTTCAGGGCAGGTGTCTCGTCAGAAAGAGGTTTTT
 CAGGCCCTGGAGCAGGCAAGAAGGAAGAACAGGAGCCCCGGTAATCGTGGGTCCATCCCCGCGGTT
 CTGTCCACAAGTTCACCTGGCTTTTTGAGAATTGTCCCATGGGCTCCCTGGCAGCTGAGAGCATCCAAGG
 GGGCAACCTCCTGGAAGAGCAGCCCATGAGCCCCTCAGGCAACAGGATGCAAGAGAGCCAGGAGACTGCA
 GCTGAGGGGACCTGCGGACTCTGCATGCCACACCTGGCATCCTGCACCATGGAGGCATCCTCATGGAGG
 CCCGAGGGCCAGGGGAGCTCTGTCTGCCAAGTATGTGCTCTCGGGCACAGGGCAGGGGCACCTTATAT
 ACGAAAGGAGGAGCTGGTGTGAGGTGAACCTCCAGGATCATCTGCCAAGTCTGCGCCGCCAGATGTG
 GACCAGCAGGGGCTGCTGGTGCAGGAAGACCCAACTGGCCAGCTCCAACCAAGCCGCTGAGGCTGCCAA
 CTCCAGGCAGCAGTGGGAATATTGAAGACATGGACCCTGAGCTCCAGCAGCTGCTGGCTTGGCTTGG
 GACCTCCGTGGCAAGGACTGGGCTGGTGTGTCAGGAGACAGAGCAGGGCCTGGTCCGACTGACTGCCTAC
 TCTCTGACGCCCCGGCTAACTAGCAAGGCTCTGAGAGGAGCAGCGTGCAGCTGTTGGCCAGCTGCATAG
 ATAAAGGAGACCTGAGTGGCCTGCACAGTCTGCGGTGGGAGCCCCGGCTGACCCGAGTCCAGTGCCAGC
 CAGCGAGGGGGCCAGAGCCTGCACCCAACTGAGAGCATCATCCATGTTCCCCCACTGGACCCAGCATG
 GGGATGGGGCATCTGAGAGCCTCAGGGGCCACCCCTTGCCCTCCTCAGGCCATTGAAAGGCAGTCCCTC
 TGGCTGGGGAAGTGCAGCACCAGCCCAATTGCAAAACACAGAAAAGCAGGAAGACAGTCACTCTGGACA
 GAAAGGGATGGCAGTCTTGGGAAAGTCAGAAGGAGCCACGACTACCCCTCCGGGGCTGGGGCCCCAGAC
 CTCTTGGCCGCCATGCAGAGTCTGCGGATGGCAACAGCTGAAGCCAGAGCCTGCACCAAGTCTTGA
 ACAAGCACAAGCAGGGCCCCACCCCAACAGCCACTTCCAACCCCATCCAGGACGGTCTTCGGAAGCTGG
 GGCTACCCAAAGCAACATAAGGCCTGGGGGTGGAAGTGTCCCGGATCCAGCAGCCCCAGAAAGGTC
 AGTAGGGAAGAGCAAGCACTACCCAGAGGGCTGCCTGGGGGTGGGTGACAATTCAGGATGGCATCTACA
 CCGCTCATCCCGTGAGGACCTTTGACCCACCTGGGGGTGTCCAGCTTTCTCAGAGGGAACCCAGTCAAG
 GCACAGGGAGACTGCCCTCTCAGTCCAGGCTCCCCGCCACTCCAGGAGGGCCAGGTGAGAGTACTGGG
 CCAGGGCGGGAGGAGCCTGGGGGTGCACACAGATGGCCTGGGGGCCACAGGGAAGGCGATGGCAGAAG
 TCTGCCAGGGGGCTCCAAGTGCAGAGACCACCTGAAGACTGCCCTCTAGGCCGCCACATTCTGGC
 CTCTGGGGCCCCAAGTGCAGGTGCCAGCCGACCCCCATAATGCCTTTGTTCTCTCTCTCTACTCTC
 CCAGCTGCTGTGACAGGACCTGACTTTCCAGCTGGAGGCCACCGTGTGAGGACTCCATCCAGCAAGCCT
 CTGAGCCCTGAAGGACCCCTTCTTCACTCCCACAGCAGCCCTGCTGGCCAGAGAACCCCTGGAGGGTC
 ACAGACAAAGACCCCAAACTGGACCCACCATGCCCCCAAGAAGAAGCCGAGCTGCCCCCTAAACCT
 GCACACCTAACCCAGAGCCACCTCCTCAGAGGCTGCCAAGCCCTTGCTCTATCTCCAGCTTTTCT
 CGGAGGTGGGGCAAAGAGAACACCAACGAGGTGAGAGAGATACAGCCATCCCTCAGCCAGCCAAGTTCC
 CACTACTGTAGACCAGGGCCACATACCTCTGGCCAGATGTCCAGTGGACATAGCCAGCCAGCTTACAA
 CATGGCCTCAGCACCACGGCCCCAGGCCACCAAGAATCAGGCTACAGGCAGCAATGCCAGAGCTCTG
 AGCCCCCAAGTCAATGCCCTCAACCATGATCCACCTCACCACAGTGGGGCCCCGGCCCTCAGGAGA
 GCAGCCCATGGAAGGTTCCCAACCAAGGGGCCCTGAGAGCCCTGACAGTCTGCAAAGAAACCAGAAAGAG
 CTCCAGGGCCTCTGAACCAGGTGCAAGCCCTGGAGAAGGAGGCCGAAGCAGTGTGACGTGCAGGCC
 TGCGGAGGCTCTTTGAGGCCGTGCCAGCTGGGAGGGGTGCTCCTCAGGCTCCTGCTGCCACCAAAA
 GCCCGAGGCTCAGTGGAGCAGGCCTTTGGGAGCTGACACGGGTGAGCAGGGAAGTTGCTCAACTGAAG
 GAACAGACCTTGGAAGGCTGCTGGACATTGAAGAGGCTGTGACAAGGCACTCAGCTCCATGTCTAGCC
 TCCAGCCTGAGGCCAGTGCCAGAGGCCATTTCCAGGGACCTCCAAAGACCACAGTGCCCAAGATCAG
 TGTACAGTCAGCAGTAGCGCCAGGCCAGTGGCTCAGGCCAGGAGGTGAGAGTCAAATGCAGTCAAG
 AACCAAGCCAAGTTGAATGCCCACTGAGGCCAGAGTCAAGTCAAGATCAGAAATCACACAGAGGCCA
 GAGGTACACAGCCTCAACTGCCCTTCCACCAGGAGGAGGAGACATCAAGAGAGTATTTGTGCCCTCC
 TCGGGTTTACCTTCCAGCCGAGATTCTCCCTCTCCCAACATTTATCTCCATCCAGTCGGCCACAAGG
 AAGCCTCTAGAGACTCCAGCTTTAAGGGCAACCTGATGTCTCAGTGAAGAGCACAACTGGCTCAGG
 ACATAGGCCAGGCCCTGCTCCACCAGAAAGGTGTCCAAGCAAACTGGGAAGAAGGACATACCCAGTG
 CTCTGTGCAACCTGAACCTGCCCTCCCTCAGCCAGTCCCTGCCAGAGGGTGGCAAAAGAGTGTCTG

GAGCTACAGACGGGGCCAGGGAGCTCACAACACTATGGAGCCATGAGAACCGTGAACAGTATGAGG
AGGTGGACCAGTTTGGGAACACAGTCTCATGTCTTCCACCACAGTCACCGAGCAGGCAGAGCCACCCAG
GAACCCAGGCTCCACCTCGGGCTCCACGCCTCCCCCTTGCTGAGGCAGTTCTGCACAGCCCAGCTGGG
TTCAGCAGTGACCTGACAGAAGCTGAGACGGTGCAGGTGTCTGCAGCTACTCCCAGCCAGCTGCCAGT
GA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_194293 unedited
AGATTTTGTAAATACGACTCTCTATAGGGCGGCCGGAATTCGCACGAGGCAAGAAGTGTC
TGTTGGAGCCAGCAGAACAGAACCAATTTGAACAAGAACCTCCAGAGGAACGACGAACCC
TGAGACCACAGCTGCTACAGACCACAAACACCCCATCAGCCAAGAGAGACCCTTGTCATCC
AGCCTCTACCTGCTGAACATCTAGATCTAAGGCTCCCAATCCCATCCTCATCTCTGCC
CTTCTTCTCAGAAGGATGGCCGACACCCAGACACAGGTGGCCCCACACCAACCATGAGG
ATGGCAACTGCAGAGGACCTGCCCTTCTCTCCACCCAGCCCTGGAGGACCTGCCACTG
TCGCCACCCAAGGAATCCTTCTCCAAGTTCCATCAGCAGCGGCAAGCTAGTGAGCTTCGG
CGCCTCTACAGGCACATCCACCCTGAGCTCCGCAAGAATCTGGCTGAGGCTGTGGCCGAT
GATCTGGCTTAGGTCTGGGCTCTGAGGACCCACCGGGTGACGTTCAAGGGCATGCGC
TGGATCTTTGAGAACTGGAAGTGAAGCCCATGGAGAACACGACAGGCCAGGTTCCAAGG
ACCCCTTCTTGTGTGGTGTCTCCAGCCGACCCGCCAATTTTAGAAAGGGTGTGT
TGCGAACATGTTGCCCTTTGGCGTAGGCGGCCGCGGCTCGGTTGGGAAGACAATTACT
GAATCGCGCTCGGCTATTTGTACCGACCACTTGGCGTGCTTTGACGTGGGTTGTCCGG
TTCTCGGTATCTCCGTTTGTAGGGCGCGCTACCCGAGGCAGATTCTCGCGGTACCA
TTGTTGCCCTTGTGACGGCGTGTCTGGGCGCCTATGAGTCTCCGCCCTCTTGCGT
GACTACAGACCGGAGCGGTTGTGCAAGTAGAGGTGGCTGAGGTGGTGTGTGGTTAATA
ACCTGTGCGCCTGT

Restriction Sites:

Please inquire

ACCN:

NM_194293

Insert Size:

6300 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_194293.2](#), [NP_919269.2](#)

RefSeq Size:

6451 bp

RefSeq ORF:

5532 bp

Locus ID:

165904

UniProt ID: [Q702N8](#)

Cytogenetics: 3p22.2

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]
Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.