

Product datasheet for **SC215765**

ACTN2 (NM_001103) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ACTN2 (NM_001103) Human 3' UTR Clone
Symbol:	ACTN2
Synonyms:	CMD1AA; CMH23; MPD6; MYOCOZ
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001103
Insert Size:	2000 bp



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Insert Sequence: >SC215765 3'UTR clone of NM_001103
 The sequence shown below is from the reference sequence of NM_001103. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCGCACTCTACGGGAGAGCGATCTGTGATGCTGAGCTTCTGTAATCACTCATCCATCAGAATGCAA
TAAAAGCGGAAGTCACAGTTTGTTCCTGGAACTTTGACAAGCTTTATTAAGTTGAGAGAGAGAGAGG
GGAAAAAAGCCTTTTCGTAGTTCAGTAATTGCCAGCAATATAACACGGCTAAAATGAAGTTTTTAC
AGTATATGACATAGTGCCTTCATAAATAGGTTTTATTTCTGAGTTTTAGCAAAATGTAATGAAATATC
AGGTTGATTTCTTTGATTAACAGAACAAATTACTTGAGTAATAGGAAATAGGAGGATCTAGGGACAG
AAGGAAAGTAAAAATGTAAAAATACAAAATACCCAAGATTTAAGACCGGGGGAAAAAACCACAAATT
GGTAAATAAAGGTTTGCTATTTGTAATAAATTTTCAATTTATCTCTAATATGCTTATGTGATTGCCCTAG
GGGAGTATATTTGGGATTCTAATGTTTTATTTTCATGCTTATCCAAAGATTACTATTGTATCTTCAAT
GAATTTAATATTGTGAGATGGAACCTGCCGGGATTAAGAAAGACTACCCAAAGATTTTTGGCACTTACA
ATTTTTAAATAGTTTATGTCATCTCTTCAATTTTGGGCTGGATGGTCAACTCAGTCAGTGATTTTT
TGATGCTTCTTATCCTCCAGAATAGAGACCTAAGGACACGTGGAAGTCAGTTTAAATGCCAGAGAGA
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GTCTGTTACCTACAGTCTGTTTGTCTCAGATTTTTATAGATTTCCACCAACAGCTGGAAATGTAATATTT
CCATCCAAGCTGTCTGACAGCTTGACTCTTCTCTACACTGGGCCATTTAGAACCTTCAACCTTTAT
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TGAGTTTAAATGCCAAACACTTTTGGGGTGGTTAGATGAACTCTGACTCTATTTTATTTCAAGTAGGTG
CTATATCCCGCCATAAACCCCTATAGAAAAGCCAGAAAGTTGTGCTTCTTTGAGGCTATTAGGGGGC
TCTGTGGTGTGTTTAGGATGGGTGTGGGTAACCTCATCTACCTAACTTTTAAATTTCTTTACAACATTCAG
CAAGAGAGGGGTCAGTAGTCTCTATCTGCTAATAAATGAAGAAAGGAAGTAAACTCTGAAAAATAATA
AACATGTTTACTCTCATTTTAGGTATTATTTTATTTCTGAAGCTGGATGCTCAAAAATTAACG
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001103.4](#)

Summary:

Alpha actinins belong to the spectrin gene superfamily which represents a diverse group of cytoskeletal proteins, including the alpha and beta spectrins and dystrophins. Alpha actinin is an actin-binding protein with multiple roles in different cell types. In nonmuscle cells, the cytoskeletal isoform is found along microfilament bundles and adherens-type junctions, where it is involved in binding actin to the membrane. In contrast, skeletal, cardiac, and smooth muscle isoforms are localized to the Z-disc and analogous dense bodies, where they help anchor the myofibrillar actin filaments. This gene encodes a muscle-specific, alpha actinin isoform that is expressed in both skeletal and cardiac muscles. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2013]

Locus ID:

88

MW:

77