

Product datasheet for **SC209571**

alpha Actinin (ACTN1) (NM_001102) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: alpha Actinin (ACTN1) (NM_001102) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: ACTN1
Synonyms: BDPLT15
ACCN: NM_001102
Insert Size: 761 bp
Insert Sequence: >SC209571 3'UTR clone of NM_001102
The sequence shown below is from the reference sequence of NM_001102. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACGGCGCTGTACGGCGAGAGTGACCTCTAATCCACCCCGCCCGCCCTCGTCTTGTGCGCCGTGCC
CTGCCTTGCACCTCCGCGTCCGCCATCTCCTGCCTGGTTTCGGTTTCAGCTCCCAGCCTCCACCCGGG
TGAGCTGGGGCCACGTGGCATCGATCCTCCTGCCCGAAGTGACAGTTTACAAAAATTATTTTCTGC
AAAAAAGAAAAAAGTTACGTTAAAAACAAAAACTACATATTTTATTATAGAAAAAGTATTTTTTC
TCCACCAGACAAATGGAAAAAAGAGGAAAGATTAAGTATTTGCACCGAAATGTCTTGTGTTTGTGCGA
CATAGGAAATAACCAAGCACAAAGTTATATCCATCCTTTTTACTGATTTTTTTTTCTTCTATCTGTT
CCATCTGCTGTATTCAATTTCTCCAATCTCATGTCCATTTTGGTGTGGGAGTCGGGGTAGGGGACTCT
TGTCAAAAGGCACATTGGTGCATGTGTGTTTGTAGCTCACTTGCCATGAAAAATTTTTATGATATTA
AAGAAAACTTTTTGAAATGGCTGTTTTTAAGGAAGAGAAATTTATGTGGCTTCTCATTTTTAAATCCCC
TCAGAGGTGTGACTAGTCTTTATCAGCACACACTTAAAAAATTTTTAATATTGTCTATAAAAATAG
GACAAACTTGGAGAGTATGGACAACTTTGATATTGCTTGGCACAGATGGTATTAACAAAAACCACTCC
TA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites:

Sgfl-Mlul

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).



[View online »](#)

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_001102.4
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 nonmuscle, cytoskeletal, alpha actinin isoform and maps to the same site as the structurally similar erythroid beta spectrin gene. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Locus ID:	87
MW:	29