

## Product datasheet for **SC209570**

### alpha Actinin (ACTN1) (NM\_001130005) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** alpha Actinin (ACTN1) (NM\_001130005) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** ACTN1  
**Synonyms:** BDPLT15  
**ACCN:** NM\_001130005  
**Insert Size:** 761 bp  
**Insert Sequence:** >SC209570 3'UTR clone of NM\_001130005  
The sequence shown below is from the reference sequence of NM\_001130005. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACGGCGCTGTACGGCGAGAGTGACCTCTAATCCACCCCGCCCGCCCTCGTCTTGTGCGCCGTGCC
CTGCCTTGCACCTCCGCGTCCGCCATCTCCTGCCTGGTTTCGGTTTCAGCTCCCAGCTCCACCCGGG
TGAGCTGGGGCCACGTGGCATCGATCCTCCTGCCCGGAAGTGACAGTTTACAAAAATTATTTTCTGC
AAAAAAGAAAAAAGTTACGTTAAAAACAAAAACTACATATTTTATTATAGAAAAAGTATTTTTTC
TCCACCAGACAAATGGAAAAAAGAGGAAAGATTAAGTATTTGCACCGAAATGTCTTGTGTTTGTGCGA
CATAGGAAATAACCAAGCACAAAGTTATATCCATCCTTTTTACTGATTTTTTTTTCTTCTATCTGTT
CCATCTGCTGTATTCAATTTCTCCAATCTCATGTCCATTTTGGTGTGGGAGTCGGGGTAGGGGACTCT
TGTCAAAAGGCACATTGGTGCATGTGTGTTTGTAGCTCACTTGTCCATGAAAAATTTTTATGATATTA
AAGAAAACTTTTTGAAATGGCTGTTTTTAAGGAAGAGAAATTTATGTGGCTTCTCATTTTTAAATCCCC
TCAGAGGTGTGACTAGTCTTTATCAGCACACACTTAAAAAATTTTTAATATTGTCTATAAAAATAG
GACAAACTTGGAGAGTATGGACAACCTTTGATATTGCTTGGCACAGATGGTATTAACAAAAACCACTCC
TA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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).



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<b>Components:</b>	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.
<b>RefSeq:</b>	<u><a href="#">NM_001130005.2</a></u>
<b>Summary:</b>	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]
<b>Locus ID:</b>	87
<b>MW:</b>	29