

Product datasheet for **SC202049**

alpha smooth muscle Actin (ACTA2) (NM_001141945) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	alpha smooth muscle Actin (ACTA2) (NM_001141945) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ACTA2
Synonyms:	ACTSA
ACCN:	NM_001141945
Insert Size:	219 bp
Insert Sequence:	>SC202049 3'UTR clone of NM_001141945 The sequence shown below is from the reference sequence of NM_001141945. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCTTCCATTGTCCACCGCAAATGCTTCTAAACACTTTCCTGCTCCTCTGTCTCTAGCACACAACCTG TGAATGTCCTGTGGAATTATGCCTTCAGTCTTTTCCAAATCATTCTAGCCAAAGCTCTGACTCGTTA CCTATGTGTTTTTAATAAATCTGAAATAGGCTACTGGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAA ACGCGT AAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA 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).
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:	<u>NM_001141945.2</u>



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Summary: This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, integrity, and intercellular signaling. The encoded protein is a smooth muscle actin that is involved in vascular contractility and blood pressure homeostasis. Mutations in this gene cause a variety of vascular diseases, such as thoracic aortic disease, coronary artery disease, stroke, and Moyamoya disease, as well as multisystemic smooth muscle dysfunction syndrome. [provided by RefSeq, Sep 2017]

Locus ID: 59

MW: 8.3