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Product datasheet for SC203424

Actin (ACTA1) (NM_001100) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Actin (ACTA1) (NM_001100) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ACTA1
Synonyms:	ACTA; ASMA; CFTD; CFTD1; CFTDM; MPFD; NEM1; NEM2; NEM3; SHPM
ACCN:	NM_001100
Insert Size:	284 bp
Insert Sequence:	>SC203424 3'UTR clone of NM_001100 The sequence shown below is from the reference sequence of NM_001100. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCTTCCATCGTCCACCGCAAATGCTTCTAGACACACTCCACCTCCAGCACGCGACTTCTCAGGACGACG AATCTTCTCAATGGGGGGGCGGCTGAGCTCCAGCCACCCCGCAGTCACTTTCTTTGTAACAACTTCCGT TGCTGCCATCGTAAACTGACACAGTGTTTATAACGTGTACATACATTAACTTATTACCTCATTTTGTTA TTTTTCGAAACAAAGCCCTGTGGAAGAAAATGGAAAACTTGAAGAAGCATTAAAGTCATTCTGTTAAGC TGCGTAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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_001100.4

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Summary: The product encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle. Mutations in this gene cause a variety of myopathies, including nemaline myopathy, congenital myopathy with excess of thin myofilaments, congenital myopathy with cores, and congenital myopathy with fiber-type disproportion, diseases that lead to muscle fiber defects with manifestations such as hypotonia. [provided by RefSeq, Sep 2019]

Locus ID: 58

MW: 10.9