

## Product datasheet for SC209233

### gamma Actin (ACTG1) (NM\_001614) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	gamma Actin (ACTG1) (NM_001614) Human 3' UTR Clone
Symbol:	gamma Actin
Synonyms:	ACT; ACTG; DFNA20; DFNA26; HEL-176
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001614
Insert Size:	749 bp
Insert Sequence:	>SC209233 3'UTR clone of NM_001614 The sequence shown below is from the reference sequence of NM_001614. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCCTCCATCGTCCACCGCAAATGCTTCTTAACGGACTCAGCAGATGCGTAGCATTGCTGCATGGGTTA
ATTGAGAATAGAAATTTGCCCTGGCAAATGCACACACCTCATGCTAGCCTCACGAAACTGGAATAAGC
CTTCGAAAAGAAATTGCTCTTGAAGCTTGATCTGATATCAGCACTGGATTGTAGAACTTGTGCTGAT
TTTGACCTTGTATTGAAGTTAACTGTTCCCTTGGTATTTGTTTAAATACCCTGTACATATCTTTGAGTT
CAACCTTTAGTACGTGTGGCTTGGTCACTTCGTGGCTAAGGTAAGAACGTGCTTGTGGAAGACAAGTCT
GTGGCTTGGTGAGTCTGTGTGGCCAGCAGCCTCTGATCTGTGCAGGGTATTAACGTGTCAGGGCTGAGT
GTTCTGGGATTTCTCTAGAGGCTGGCAAGAACCAGTTGTTTTGTCTTGGGGTCTGTCAGGGTTGGAAA
GTCCAAGCCGTAGGACCCAGTTTCCTTTCTTAGCTGATGTCTTTGGCCAGAACACCGTGGGCTGTTACT
TGCTTTGAGTTGGAAGCGGTTTGCAATACGCCTGTAATGTATTCACTTAAATTTATGTAAGGTTTT
TTTTGTACGCAATTCTCGATTCTTTGAAGAGATGACAACAAATTTGGTTTTCTACTGTTATGTGAGAA
CATTAGGCCCCAGCAACACGTCATTGTGAAGGAAAAATAAAAGTGCTGCCGTAACCAA
ACGCGTAAGCGGCCCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:	Sgfl-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>	<a href="#">NM_001614.5</a>
<b>Summary:</b>	Actins are highly conserved proteins that are involved in various types of cell motility and in maintenance of the cytoskeleton. Three main groups of actin isoforms have been identified in vertebrate animals: alpha, beta, and gamma. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton and as mediators of internal cell motility. Actin gamma 1, encoded by this gene, is a cytoplasmic actin found in all cell types. Mutations in this gene are associated with DFNA20/26, a subtype of autosomal dominant non-syndromic sensorineural progressive hearing loss and also with Baraitser-Winter syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2017]
<b>Locus ID:</b>	71
<b>MW:</b>	27.8