

## Product datasheet for **SC216729**

### DIAPH1 (NM\_005219) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	DIAPH1 (NM_005219) Human 3' UTR Clone
Symbol:	DIAPH1
Synonyms:	DFNA1; DIA1; DRF1; hDIA1; LFHL1; SCBMS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005219
Insert Size:	1860 bp



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**Insert Sequence:** >SC216729 3'UTR clone of NM\_005219  
 The sequence shown below is from the reference sequence of NM\_005219. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCCAAGGAGTTGGTTGGCCGTGCAAGCTAATGTGGGTCTGTGACCGCGGCAGCTCCTCAGCGGAGCCG
CAGACTGTCTGCCCTGCAGCATGTGCCTAAAGGCTCAAGGGGATATTCTCTGGGGTGGCCACTCCCA
CCACCCTGACCCTGTCTTTCTCTCTGGCCTGTCTCTCAACATCACATACAGCTTCAGCTGCCTGG
AGGCCAGAAGGAAAGGGCAGTGCAGGGGAGGCCTGAGCCCGACTTAGCCAGCCCTGGCTGTTGTATTAC
CAAAGCAGGGTCCATGTTTGTGCCTTAACCTGTCTCCTCTCTGTTACTCAGAGGGCCTCATCTCAGA
CAAGGCCAGCCTGCTTTTTCTCAGCCCTGACTTCTAATGGGCTTTCCCCCTAGGTGAGTCTTGCTG
GATTTGTGCTTTTCTTTGTGGTTTCTCTGGCCCTGAGAAATAGCATGGGCTTGTAAACCTTTGGGCTA
GATCCCTCCTTTATTGTGTTGTCTGTCTCTCCCTCTCTGGCTGTGGTTATTTATTATTAGTGGT
GTGGCACTGGGAGCTGCTCCTAAGGAAGCAGGGAGCAAATCCCACCTTTACCCACCTTCTCTGGGAAAG
GCCTCAAAGCAAAGGATCTGGACCAGTTTCCCTGCTGTGCTGTGGCCCAGGCCAGGCCTGTGGGCAG
GCAGGCAGGGCATAGCGACAGTGTGGGACCTGCCCCAGCTTCTGCCACGCTTTATGCCCTTGCCTCTC
TGGACGCTCTGCACCAACCCAGGCTACTGAGCCACCTTCCCTCCTCATGCCTTCCCTGAGCTTTGGTG
CATCTCATCTGGACTATGGGTTGACTGTGACCATCCCAACACCTCACCTCTGTCTACAAGGAAATGG
GAGGTGGAGCCTCCTGGCTGAGAAATGTTTTGCAAATGGATCTATTTTTGTATGAAAAAAAAAATTTT
TTTAAAGAAAACGTTCCTTCCCTTTCCCTCCATAATGTAAGAAGCTTTGGTGGCAGGTTACAGAG
TTCTGGGATTTCTCTCACAGGCCAATCCTGAATGTGCCCTGGACCTTCTGGACCTTGAGTCCCAAG
GCAGATCCTCTCTCCAGGGAATCCGACACAGGAGGAACCCCTTCTCTGGTTGAGCTGGGCCAGGCCTA
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ATGCTAACTGGACATTCTGGGAACTGGGCACCAGGAGTGCCTTCATACACTGTACCCAGCTCTCTTC
TAAAGAGAAGTGGTGGGCACACTGAACTGTTTGGTGGCCCAACCACAGGAAGCTGCAATTCTCTGG
CTTAGGGTGATACTTTTGCCTCCTTGTGCCCTCTCAGCTTCCATCCCAGCTAGGAAGAAAGAAATG
GCACTCTGGGCTTGGCCAGAATTAGAGTTATTAGAGCAAGAGAGAGCTTAGGAAGCATGAGGGCAAC
TATAGTGAGGCCATTATTGCCAGGAGGGAGGTTTTGGTTGCTGGCGCTTGTGTATAAAGGGCAAGAGC
AGCTCCTTTGACTATTCTGGGAGGACTCTGATGCAGGGCGTCTGTTGCTCCCCTGGGTACCTCCTC
CCTGCTCCTGACATCTGGGGCTTTGACCTTTCTTTTTAATCTACTTTTGCTAAGATGCATTTAATA
AAAAAAAAAGAGAGAGAGAGAGAGGTGTGAGGGACAAAATGCAAACCTATTTCCCTTGCCTCATAGGCTT
CTGGGATGTCATCACCTCCAGTTTGTGGTTTTGTTTCCAACGTTAATAAAGCATTGAAACAGTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**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\\_005219.5](#)

**Summary:**

This gene is a homolog of the *Drosophila* diaphanous gene, and has been linked to autosomal dominant, fully penetrant, nonsyndromic sensorineural progressive low-frequency hearing loss. Actin polymerization involves proteins known to interact with diaphanous protein in *Drosophila* and mouse. It has therefore been speculated that this gene may have a role in the regulation of actin polymerization in hair cells of the inner ear. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:**

1729

**MW:**

68.6