

## Product datasheet for **SC216256**

### Melanophilin (MLPH) (NM\_001042467) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Melanophilin (MLPH) (NM_001042467) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MLPH
Synonyms:	SLAC2-A
ACCN:	NM_001042467
Insert Size:	1760 bp



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**Insert Sequence:** >SC216256 3'UTR clone of NM\_001042467  
 The sequence shown below is from the reference sequence of NM\_001042467. 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
GCGAAACCTGTGGTGGCCACCAGTCCTAACGGGACAGGACAGAGACAGAGCAGCCCTGCACTGTTT
TCCTCCACCACAGCCATCCTGTCCCTCATTGGCTCTGTGCTTTTCCACTATACACAGTCACCGTCCCAA
TGAGAAACAAGAAGGAGCACCTCCACATGGACTCCACCTGCAAGTGGACAGCGACATTAGTCTGCTGC
ACTGCTCACCTGGGTTTACTGATGACTCCTGGCTGCCACCACCTCTCTGATCTGTGAGAAACAGCT
AAGCTGCTGTGACTTCCCTTTAGGACAATGTTGTGTAATCTTTGAAGGACACACCGAAGACCTTTATA
CTGTGATCTTTTACCCTTTCACTCTTGGCTTTCTTATGTTGCTTTCATGAATGGAATGGAAAAAGAT
GACTCAGTTAAGGCACCAGCCATATGTGTATTCTTGATGGTCTATATCGGGGTGTGAGCAGATGTTTGC
GTATTTCTTGTGGGTGTGACTGGATATTAGACATCCGGACAAGTACTGAACTAATGATCTGCTGAATA
ATGAAGGAGGAATAGACACCCAGTCCCAACCCTACGTGCACCCGCTCTGCAAGTCCCATGTGATCTG
TAGACCAGGGGAAATTACACTGCGGTCAAGGGCAGAGCCTGCACATGACGCAAGTGAGCATTGATAG
ATGCTCAGATGCTAGTGCAGAGAGCCTGCTGGGAGACGAAGAGACAGCAGGCAGAGCTCCAGATGGGCA
AGGAAGAGGCTTGGTTCTAGCCTGGCTCTGCCCTCACTGCAGTGGATCCAGTGGGGCAGAGGACAGAG
GGTCAACAACATGAGGGATGTCTGCCAAGGATGGGGGTGCAGAGGCCACAGGAGTCAAGTGGCCACTC
GCCATTTGGTTACATAGATGATCTCTCAGACAGGCTGGGACTCAGAGTTATTTCCATGATCGGTGTGC
CCCATCCAGTTTTAAGTGGAGCCCTCAAGACTCTCCAGAGCTGCCTTTGAACATCTAACAGTAATCA
CATCTCACCTCCCTGAGGTTCACTTTAGACAGGACCCAATGGCTGCACCTGCTTGTGAGAGGGGGTG
CTGAGAGGAGTGGCTTCTTTTAGAATCAAACAGTAGAGACAAGAGTCAAGCCTTGTGTCTTCAAGCATT
GACCAAGTTAAGTGTTCCTTCCCTCTCTCAATAAGACACTTCCAGGAGCTTTCCATCTCTCACTTAA
AACTAAGTGTGAACTCAAAGTGTGCTGGGAGGCTGATACTCTGCAACTTCAGGAGACCTGTGAGC
ACACATTAGCAGCTGTTTCTGACTCCTTGTGGCATCAGATAAAAAACGTGGGAGTTTTTCCATATAAT
TCCAGCCTTACTTATAAATTCTATTCTTTGAAAAAATTATTCAGGCTAGGTAAGGTGGCTCATACTTA
TAATCCCAGCCCTTTGAGAGGCCAAGGTGGGAGAATTGCTTGGAGCCAGGAGTTTGGACCTCCTGGGC
AACATAGTGAGATCCCATCTCTACAAAAACAAAAAATAATACCCAAGCATGATGGTATATGCCT
GTAGTCGTACCTACTTACTTAGGAGGCTGAGGCAGGAGGATCACTTGGCCCTGGAGTTGGGGCTGCA
GTGAGCCATGATCGCATCACTATACTCGAGCCTGGGCAACAGAGTGAGACCTTGTCTCTTAAAAAATT
AATAATAAATAAATGAAAATAATTCTTCAGAGTTC
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-Mlul

**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\\_001042467.3](#)

**Summary:**

This gene encodes a member of the exophilin subfamily of Rab effector proteins. The protein forms a ternary complex with the small Ras-related GTPase Rab27A in its GTP-bound form and the motor protein myosin Va. A similar protein complex in mouse functions to tether pigment-producing organelles called melanosomes to the actin cytoskeleton in melanocytes, and is required for visible pigmentation in the hair and skin. A mutation in this gene results in Griscelli syndrome type 3, which is characterized by a silver-gray hair color and abnormal pigment distribution in the hair shaft. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2013]

**Locus ID:**

79083

**MW:**

65.5