

Product datasheet for **SC216257**

Melanophilin (MLPH) (NM_024101) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Melanophilin (MLPH) (NM_024101) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MLPH
Synonyms:	SLAC2-A
ACCN:	NM_024101
Insert Size:	1760 bp



[View online »](#)

Insert Sequence: >SC216257 3'UTR clone of NM_024101
The sequence shown below is from the reference sequence of NM_024101. 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
TGAGAAACAAGAAGGAGCACCTCCACATGGACTCCACCTGCAAGTGGACAGCGACATTAGTCTGTC
ACTGCTCACCTGGGTTTACTGATGACTCCTGGCTGCCACCACCTCTCTGATCTGTGAGAAACAGCT
AAGCTGCTGTGACTTCCCTTTAGGACAATGTTGTGTAATCTTTGAAGGACACACCGAAGACCTTTATA
CTGTGATCTTTTACCCTTTCACTTTGGCTTTCTTATGTTGCTTTCATGAATGGAATGGAAAAAGAT
GACTCAGTTAAGGCACCAGCCATATGTGATTCTTGATGGTCTATATCGGGGTGTGAGCAGATGTTTGC
GTATTTCTTGTGGGTGTGACTGGATATTAGACATCCGGACAAGTACTGAACTAATGATCTGCTGAATA
ATGAAGGAGGAATAGACACCCAGTCCACCCTACGTGCACCCGCTCTGCAAGTCCCATGTGATCTG
TAGACCAGGGGAAATTACACTGCGGTCAAGGGCAGAGCCTGCACATGACGCAAGTGAGCATTGATAG
ATGCTCAGATGCTAGTGCAGAGAGCCTGCTGGGAGACGAAGAGACAGCAGGCAGAGCTCCAGATGGGCA
AGGAAGAGGCTTGGTTCTAGCCTGGCTCTGCCCTCACTGCAGTGGATCCAGTGGGGCAGAGGACAGAG
GGTCACAACCAATGAGGGATGTCTGCCAAGGATGGGGGTGCAGAGGCCACAGGAGTCACTTGGCACTC
GCCATTGGTTACATAGATGATCTCTCAGACAGGCTGGGACTCAGAGTTATTTCCATGATCGGTGTGC
CCCATCCAGTTTTAAGTGGAGCCCTCAAGACTCTCCAGAGCTGCCTTTGAACATCTAACAGTAATCA
CATCTCACCTCCCTGAGGTTCACTTTAGACAGGACCCAATGGCTGCACCTGCTTTGTCAGAGGGGGTG
CTGAGAGGAGTGGCTTCTTTTAGAATCAAACAGTAGAGACAAGAGTCAAGCCTTGTGTCTTCAAGCATT
GACCAAGTTAAGTGTTCCTTCCCTCTCTCAATAAGACACTTCCAGGAGCTTTCCAACTCTCACTTAA
AACTAAGTGTGAACTCAAAGTGTGCTGGGAGGCTGATACTCTGCAACTTCAGGAGACCTGTGAGC
ACACATTAGCAGCTGTTTCTGACTCCTTGTGGCATCAGATAAAAAACGTGGGAGTTTTTCCATATAAT
TCCAGCCTTACTTATAAATTCTATTCTTTGAAAAAATTATTCAGGCTAGGTAAGGTGGCTCATACTTA
TAATCCCAGCCCTTTGAGAGGCCAAGGTGGGAGAATTGCTTGGAGCCAGGAGTTTGGACCTCCTGGGC
AACATAGTGAGATCCCATCTCTACAAAAACAAAAACAAAAAATTACCCAAGCATGATGGTATATGCCT
GTAGTCGTACCTACTTACTTAGGAGGCTGAGGCAGGAGGATCACTTGGCCCTGGAGTTGGGGCTGCA
GTGAGCCATGATCGCATCACTATACTCGAGCCTGGGCAACAGAGTGAGACCTTGTCTCTTAAAAAATT
AATAATAAATAAATGAAAATAATTCTTCAGAGTTC
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACC GCCCTTCTATGAAAGG
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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_024101.7](#)

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