

## Product datasheet for SC121165

### MelanA (MLANA) (NM\_005511) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MelanA (MLANA) (NM_005511) Human Untagged Clone
Tag:	Tag Free
Symbol:	MLANA
Synonyms:	MART-1; MART1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF sequence for NM_005511 edited ATGCCAAGAGAAGATGCTCACTTCATCTATGGTTACCCCAAGAAGGGGCACGGCCACTCT TACACCACGGCTGAAGAGCCGCTGGGATCGGCATCCTGACAGTGATCCTGGGAGTCTTA CTGCTCATCGGCTGTTGGTATTGTAGAAGACGAAATGGATACAGAGCCTTGATGGATAAA AGTCTTCATGTTGGCACTCAATGTGCCTTAACAAGAAGATGCCCAACAAGAAGGGTTTGAT CATCGGGACAGCAAAGTGTCTCTCAAGAGAAAACTGTGAACCTGTGGTTCCCAATGCT CCACCTGCTTATGAGAACTCTCTGCAGAACAGTCACCACCACCTTATTCACCTTAA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005511 unedited AAAAAAGTCGGATTTTGTAAACGACTTACTATAGGCGGCCGCGCAATTCGCACGAGGGCA GTTCTTCATACACGCGGCCAGCCAGCAGACAGAGGACTCTCATTAAAGGAAGGTGCCTGT GCCCTGACCTACAAGATGCCAAGAGAAGATGCTCACTTCATCTATGGTTACCCCAAGAA GGGGCACGGCCACTTTACACCACGGCTGAAGAGGCCGCTGGGATCGGCATCCTGACAGT GATCCTGGGAGTCTTACTGCTCATCGGCTGTTGGTATTGTAGAAGACGAAATGGATACAG AGCCTTGATGGATAAAAAGTCTTCATGTTGGCACTCAATGTGCCTTAACAAGAAGATGCC ACAAGAAGGGTTTGATCATCGGGACAGCAAAGTGTCTCTCAAGAGAAAACTGTGAACC TGTGGTTCCCAATGCTCCACCTGCTTATGAGAACTCTCTGCAGAACAGTCACCACCACC TTATTCACCTTAAAGGCCAGCGAGACACCTGAGACATGCTGAAATTTTCTCTCACACT TTTGCTTGAATTAATACAGACATCTAATGTTCTCCTTTGGAATGGTGTAGGAAAAATGC AAGCCATCTCTAATAAAGTCAGTGTTAAAAATTTAGTAGGTCGCCCTAGCAGTACTAAT CATGTGAGGAAATGATGAGAAATATTAATTTGGGAAAACCTCATCAATAAATGTTGCAAT GCATGATACTAAAAAAAAAAAAAAAAAATCGACTCTAGATTGCGGCCGCGAGTCATAGCTG TTTCTGAACAGATCCCGGGTGTCCCTGTGACCCCTCCAGTGCCTCTCCTGG
Restriction Sites:	Please inquire
ACCN:	NM_005511
Insert Size:	690 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>RefSeq:</b>	<u>NM_005511.1, NP_005502.1</u>
<b>RefSeq Size:</b>	1524 bp
<b>RefSeq ORF:</b>	357 bp
<b>Locus ID:</b>	2315
<b>UniProt ID:</b>	<u>Q16655, A0A384MR46</u>
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Involved in melanosome biogenesis by ensuring the stability of GPR143. Plays a vital role in the expression, stability, trafficking, and processing of melanocyte protein PMEL, which is critical to the formation of stage II melanosomes.[UniProtKB/Swiss-Prot Function]