

Recombinant Human PMEL

Cat. No. PMEL-30194TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-150 of Human Melanoma gp100
Species	Human
Source	E.coli
ProteinLength	1-150 a.a.
Description	This gene encodes a melanocyte-specific type I transmembrane glycoprotein. The encoded protein is enriched in melanosomes, which are the melanin-producing organelles in melanocytes, and plays an essential role in the structural organization of premelanosomes. This protein is involved in generating internal matrix fibers that define the transition from Stage I to Stage II melanosomes. This protein undergoes a complex pattern of posttranslational processing and modification that is essential to the proper functioning of the protein. A secreted form of this protein that is released by proteolytic ectodomain shedding may be used as a melanoma-specific serum marker. Alternate splicing results in multiple transcript variants.
Tissue specificity	Preferentially expressed in melanomas. Some expression was found in dysplastic nevi. Not found in normal tissues nor in carcinomas. Normally expressed at low levels in quiescent adult melanocytes but overexpressed by proliferating neonatal melanocytes and
Form	Liquid

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Purity	Purified via GST Tag
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the PMEL/NMB family. Contains 1 PKD domain.

GENE INFORMATION

Gene Name	PMEL premelanosome protein [Homo sapiens]
Official Symbol	PMEL
Synonyms	PMEL; premelanosome protein; SIL, SILV, silver (mouse homolog) like , silver homolog (mouse); melanocyte protein PMEL; D12S53E; gp100; Pmel17; SI;
Gene ID	6490
mRNA Refseq	NM_001200053
Protein Refseq	NP_001186982
MIM	155550
Uniprot ID	P40967
Chromosome Location	12q13-q14

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Function

protein binding;

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