

Datasheet for ABIN6964099

**Melanoma gp100 Protein (Fc Tag)****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	Melanoma gp100 (PMEL)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Melanoma gp100 protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant human PMEL Protein with C-terminal Human Fc tag
Specificity:	PMEL (Lys25-Ala595) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	Melanoma gp100 (PMEL)
Alternative Name:	PMEL ( <a href="#">PMEL Products</a> )
Background:	Synonymes: D12S53E, gp100, ME20, ME20-M, ME20M, P1, P100, PMEL17, SI, SIL, SILV 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

## Target Details

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. [provided by RefSeq, Jan 2011]

Molecular Weight: predicted molecular mass of 46.2 kDa after removal of the signal peptide. The apparent molecular mass of PMEL-hFc is 130-250 kDa due to glycosylation.

Gene ID: 6490

UniProt: [P40967](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

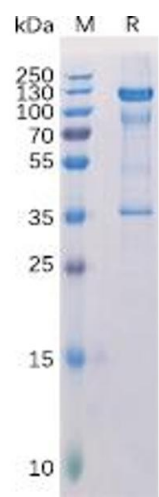
Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Preservative: Without preservative

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

**Image 1.** Human PMEL Protein, hFc Tag on SDS-PAGE under reducing condition.