

**PRODUCT INFORMATION**

<b>Target</b>	PMEL
<b>Synonyms</b>	D12S53E;gp100;ME20;ME20-M;ME20M;P1;P100;PMEL17;SI;SIL;SILV
<b>Description</b>	Recombinant human PMEL Protein with C-terminal Human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P40967
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc Tag
<b>Molecular Characterization</b>	PMEL(Lys25-Leu545) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 46.2 kDa after removal of the signal peptide. The apparent molecular mass of PMEL-hFc is approximately 130-250 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	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. [provided by RefSeq, Jan 2011]
<b>Usage</b>	Research use only



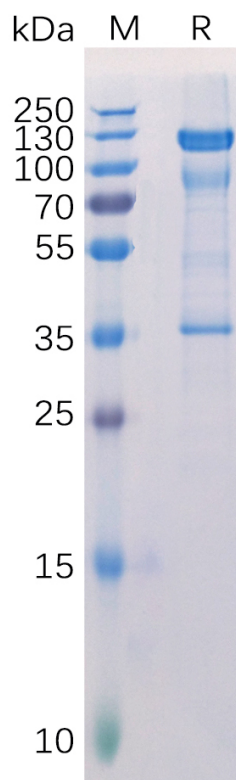


Figure 1. Human PMEL Protein, hFc Tag on SDS-PAGE under reducing condition.

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