

## **PRODUCT INFORMATION**

Target **PMEL** 

D12S53E;gp100;ME20;ME20-M;ME20M;P1;P100;PMEL17;SI;SIL;SILV **Synonyms** Description Recombinant human PMEL Protein with C-terminal Human Fc tag

**Delivery** In Stock P40967 Uniprot ID **Expression Host HEK293** 

Tag C-Human Fc Tag

Molecular

**Background** 

PMEL(Lys25-Leu545) hFc(Glu99-Ala330) Characterization

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. **Molecular Weight** 

**Purity** 

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

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. Formulation & Reconstitution

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. Storage & Shipping

proteins are shipped at ambient temperature.

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 prosttranslational 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]

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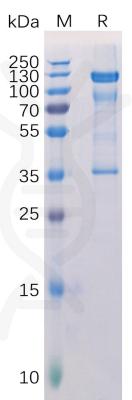
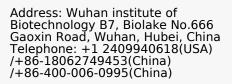


Figure 1. Human PMEL Protein, hFc Tag on SDS-PAGE under reducing condition.



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