

Recombinant Full Length Human PMEL Protein, GST-tagged

Cat. No. PMEL-6849HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human SILV full-length ORF (NP_008859.1, 1 a.a. - 661 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	661 amino acids
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.
Molecular Mass	96.7 kDa
AA Sequence	MDLVLKRCLLHLAVIGALLAVGATKVP RNQDWLGVSRQLRTKAWN RQLYPEWTEA QRLDCWRGGQVSLKVSNDGPTLIGANASFSIALNFPGSQKVLDPDGGQVIWVNNTIING SQVWGGQPVPYQETDDACIFPDGGPCPSGSWSQKR SFVYVWKTWGQYWQVLGG PVSGLSIGTGRAMLGHTMEVTYHRRGSR SYVPLAHSSSAFTITDQVPF SVSVSQL

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RALDGGNKHFLRNQPLTFALQLHDPSGYLAEAD

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

PMEL premelanosome protein [Homo sapiens (human)]

Official Symbol

PMEL

Synonyms

PMEL; premelanosome protein; P1; SI; SIL; ME20; P100; SILV; ME20M; gp100; ME20-M; PMEL17; D12S53E; melanocyte protein PMEL; melanocyte protein Pmel 17; melanocyte protein mel 17; melanocytes lineage-specific antigen GP100; melanoma-associated ME20 antigen; melanosomal matrix protein17; silver locus protein homolog; silver, mouse, homolog of

Gene ID

6490

mRNA Refseq

NM_006928

Protein Refseq

NP_008859

MIM

155550

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UniProt ID

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