

Melanocyte protein PMEL Recombinant Protein | PMEL recombinant protein

Recombinant Human Melanocyte protein PMEL

CATALOG # AAA18432	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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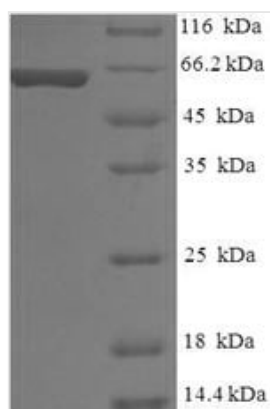
PRODUCT SYNONYMS

Melanocyte protein PMEL; Recombinant Human Melanocyte protein PMEL; ME20-M; ME20M; Melanocyte protein Pmel 17; Melanocytes lineage-specific antigen GP100; Melanoma-associated ME20 antigen; P1; P100; Premelanosome protein; Silver locus protein homolog; PMEL recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	25-467aa;partial
Sequence	KVPRNQDWLG VSRQLRTKAW NRQLYPEWTE AQRDLCWRGG QVSLKVSNDG PTLIGANASF SIALNFPGSQ KVLDPGGQVIW VNNTIINGSQ VWGGQPVYPQ ETDDACIFPD GGPCPSGSWS QKRSEFVYVWK TWGQYWQVLG GPVSGLSIGT GRAMLGTHM EVTVEYHRRGS RSYVPLAHSS SAFTITDQVP FSVSVSQLRA LDGNGKHFLR NQPLTFALQL HDPSGYLAEA DLSYTWDFGD SSGTLISRAL VVTHYLEPG PVTAQVVLQA AIPLTSCGSS PVPGTDDGHR PTAEAPNTTA GQVPTTEVVG TTPGQAPTAE PSGTTSVQVP TTEVISTAPV QMPTAESTGM TPEKVPVSEV MGTTLAEMST PEATGMTPAE VSIVVLSGTT AAQVTTEWV ETTARELPIP EPEGPDASSI MSTESITGSL GPLLDGTATL RLV
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for PMEL recombinant protein	Plays a central role in the biogenesis of melanosomes. Involved in the maturation of melanosomes from stage I to II. The transition from stage I melanosomes to stage II melanosomes involves an elongation of the vesicle, and the appearance within of distinct fibrillar structures. Release of the soluble form, ME20-S, could protect tumor cells from antibody mediated immunity.
Product Categories/Family for PMEL recombinant protein	Metabolism

References	A melanocyte-specific gene, Pmel 17, maps near the silver coat color locus on mouse chromosome 10 and is in a syntenic region on human chromosome 12.Kwon B.S., Chintamaneni C., Kozak C.A., Copeland N.G., Gilbert D.J., Jenkins N.A., Barton D., Francke U., Kobayashi Y., Kim K.-K.Proc. Natl. Acad. Sci. U.S.A. 88:9228-9232(1991)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	318037593
NCBI GeneID	6490
NCBI Accession #	NP_001186982.1
NCBI GenBank Nucleotide #	NM_001200053.1
UniProt Accession #	P40967; Q12763; Q14448; Q14817; Q16565; B3KS57; B7Z6D7
Molecular Weight	49 kDa
NCBI Official Full Name	melanocyte protein PMEL isoform 2
NCBI Official Synonym Full Names	premelanosome protein
NCBI Official Symbol	PMEL
NCBI Official Synonym Symbols	P1; SI; SIL; ME20; P100; SILV; ME20M; gp100; ME20-M; PMEL17; D12S53E
NCBI Protein Information	melanocyte protein PMEL
UniProt Protein Name	Melanocyte protein PMEL
UniProt Gene Name	PMEL
UniProt Synonym Gene Names	D12S53E; PMEL17; SILV; ME20M; ME20-S; ME20S
UniProt Entry Name	PMEL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/pmel-recombinant-protein-e-coli/18432>