

Recombinant Human PMEL Protein (25-467 aa), His-tagged

Cat. No. PMEL-1518H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PMEL Protein (25-467 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	25-467 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	49.0 kDa
AA Sequence	KVPRNQDWLGVSRLRTKAWNRQLYPEWTEAQRDCWRGGQVSLKVSNDGPTLI GANASFSIALNFPQSQKVLDPDGQVIWVNNTIINGSQVWGGQPVYPQETDDACIFPDG GPCPSGSWSQKRSFVYVWKTWGQYVQVLGGPVSGLSIGTGRAMLGHTMEVTY HRRGSRSYVPLAHSSSAFTITDQVPFSVSVSQLRALDGGNKHFLRNQPLTFALQLHD PSGYLAEADLSYTWDFGDSSGTLISRALVVTHTYLEPGPVTAQVVLQAAIPLTSCGS

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SPVPGTTDGHRPTAEAPNTTAGQVPTTEVVGTTPGQAPTAEPSTGTTSVQVPTTEVI
 STAPVQMPTAESTGMTPEKVPVSEVMGTTLAEMSTPEATGMTPAEVSIVVLSGTTA
 AQVTTTEWVETTARELPIPEPEGPDASSIMSTESITGSLGPLLDGTATLRLV

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name PMEL premelanosome protein [Homo sapiens]

Official Symbol PMEL

Synonyms PMEL; D12S53E; gp100; Pmel17; SI; P1; SIL; ME20; P100; SILV; ME20M; ME20-M; PMEL17;

Gene ID 6490

mRNA Refseq NM_001200053

Protein Refseq NP_001186982

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MIM	155550
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UniProt ID	P40967
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