

# Recombinant Human PMEL protein, His-SUMO-tagged

**Cat. No.** PMEL-3492H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | Recombinant Human PMEL protein(P40967)(25-467aa), fused to N-terminal His-SUMO tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 25-467aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 63 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | <p>KVPRNQDWLGVSQRQLRTKAWNRLYPEWTEAQRDCWRGGQVSLKVSNDGPTLI</p> <p>GANASFSLNFPQSQKVLDPDGQVIWVNNTIINGSQVWGGQPVYPQETDDACIFPDG</p> <p>GPCPSGSWSQKRSFVYVWKTWGQYVQVLGGPVSGLSIGTGRAMLGHTMEVTYV</p> <p>HRRGSRSYVPLAHSSSAFTITDQVPFSVSVSQLRALDGGNKHFLRNQPLTFALQLHD</p> <p>PSGYLAEADLSYTWDFGDSSGTLISRALVVTHTYLEPGPVTAQVVLQAAIPLTSCGS</p> <p>SPVPGTTDGHRTAEAPNTTAGQVPTTEVVGTTGQAPTAEPSTGTTSVQVPTTEVI</p> <p>STAPVQMPTAESTGMTPEKVPVSEVMGTTLAEMSTPEATGMTPAEVSIVVLSGTTA</p> <p>AQVTTTEWVETTARELPIPEPEGPDASSIMSTESITGSLGPLLDGTATLRLV</p> |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                   |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                |
| <b>Reconstitution</b> | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PMEL premelanosome protein [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b> | PMEL                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | PMEL; premelanosome protein; SIL, SILV, silver (mouse homolog) like , silver homolog (mouse); melanocyte protein PMEL; D12S53E; gp100; Pmel17; SI; melanocyte protein mel 17; silver, mouse, homolog of; melanocyte protein Pmel 17; melanosomal matrix protein17; silver locus protein homolog; melanoma-associated ME20 antigen; melanocytes lineage-specific antigen GP100; P1; SIL; ME20; P100; SILV; ME20M; ME20-M; PMEL17; |
| <b>Gene ID</b>         | 6490                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_001200053                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>  | NP_001186982                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MIM</b>             | 155550                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>      | P40967                                                                                                                                                                                                                                                                                                                                                                                                                           |

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