

Specifications:

Gene:	hPMEL
Accession:	NP_008859.1
Insert size:	1999bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

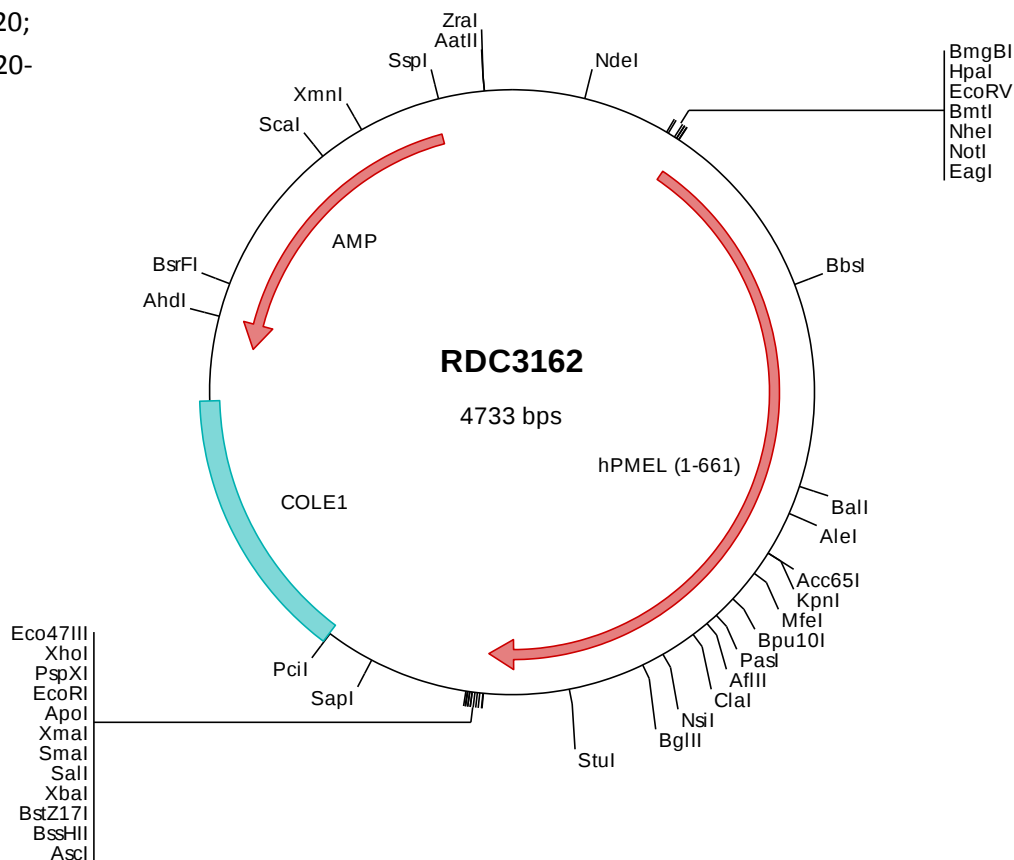
hPMEL cDNA Plasmid

PMEL premelanosome protein
[*Homo sapiens* (human)]

Also known as: P1; SI; SIL; ME20; P100; SILV; ME20M; gp100; ME20-M; PMEL17; D12S53E

Summary:

PMEL is a melanocyte-specific type I transmembrane glycoprotein. It is enriched in melanosomes, which are the melanin-producing organelles in melanocytes, and plays an essential role in the structural organization of premelanosomes. PMEL is involved in generating internal matrix fibers that define the transition from Stage I to Stage II melanosomes. It undergoes a complex pattern of posttranslational processing and modification that is essential to its proper functioning. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3162 Plasmid DNA Sequence

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> RDC3162 Translated Insert Sequence

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