

## Product datasheet for PH300663

### Melanoma gp100 (PMEL) (NM\_006928) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SILV MS Standard C13 and N15-labeled recombinant protein (NP_008859)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200663
Predicted MW:	70.1 kDa
Protein Sequence:	>RC200663 representing NM_006928 Red=Cloning site Green=Tags(s)
	MDLVLKRCLLHLAVIGALLAVGATKVPNRQDWLGVSRQLRTKAWNRQLYPEWTEAQRLLDCWRGGQVSLKV SNDGPTLIGANASFSIALNFPQSQKVLDPGQVIWVNNIIINGSQVWGGQPYPQETDDACIFPDGGPCPS GSWSQKRSFVYVWKTWGQYQVLGGPVSGLSIGTGRAMLGTHTMEVTVYHRRGSRSYVPLAHSSSAFTIT DQVPFVSQVSLRALDGGNKHFLRNQPLTFALQLHDPSGYLAEADLSYTWDFGDSSTLISRALVVTHTY LEPGPVTAQVVLQAAIPLTSCGSSPVPPTDGHRTAEAPNTTAGQVPTTEVVGTTGQAPTAEPSTGTS VQVPTTEVISTAPVQMPAESTGMTPEKVPVSEVMGTTLAEMSTPEATGMTPAEVSIVVLSGTTAAQVTT TEWVETARELPIPEPEGPDASSIMSTESITGSLGPLLDGTATLRLVKRQVPLDCVLYRYGSFVTLTDIV QGIESAEILQAVPSGEGDAFELTVSCQGLPKEACMEISSPGCQPPAQRLLCQVLPSPACQLVLHQILKG GSGTYCLNVSLADTNSLAVVSTQLIMPQGEAGLQVPLIVGILLVMAVVLASLIYRRRLMKQDFSVLPQL PHSSHWLRLPRIFCSCPIGENSPLLGGQV
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_008859</a>
RefSeq Size:	2143



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RefSeq ORF: 1983

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

Locus ID: 6490

UniProt ID: [P40967](#)

Cytogenetics: 12q13.2

**Summary:** 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. [provided by RefSeq, Jan 2011]

**Protein Families:** Secreted Protein, Transmembrane

### Product images:



Coomassie blue staining of purified PMEL protein (Cat# [TP300663]). The protein was produced from HEK293T cells transfected with PMEL cDNA clone (Cat# [RC200663]) using MegaTran 2.0 (Cat# [TT210002]).