Product datasheet for PH304190

MelanA (MLANA) (NM_005511) Human Mass Spec Standard

Product data:

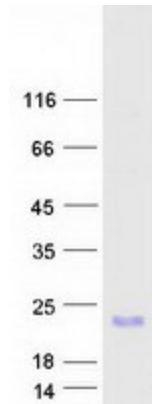|	
Product Type:	Mass Spec Standards
Description:	MLANA MS Standard C13 and N15-labeled recombinant protein (NP_005502)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204190
Predicted MW:	13.2 kDa
Protein Sequence:	>RC204190 protein sequence Red=Cloning site Green=Tags(s) MPREDAHFIYGYPKKGHGHSYTTAEEAAGIGILTVILGVLLLIGCWYCRRRNGYRALMDKSLHVGTQCAL TRRCPQEGFDHRDSKVSLQEKNCEPVVPNAPPAYEKLSAEQSPPPYSP 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:	NP_005502
RefSeq Size:	1524
RefSeq ORF:	354
Synonyms:	MART-1; MART1
Locus ID:	2315
UniProt ID:	Q16655, A0A384MR46
Cytogenetics:	9p24.1

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Summary: Involved in melanosome biogenesis by ensuring the stability of GPR143. Plays a vital role in the expression, stability, trafficking, and processing of melanocyte protein PMEL, which is critical to the formation of stage II melanosomes.[UniProtKB/Swiss-Prot Function]

Protein Families: Transmembrane

Product images:

Coomassie blue staining of purified MLANA protein (Cat# [TP304190]). The protein was produced from HEK293T cells transfected with MLANA cDNA clone (Cat# [RC204190]) using MegaTran 2.0 (Cat# [TT210002]).