

Product datasheet

Recombinant Human MelanA protein ab157272

1 Image

Description

Product name	Recombinant Human MelanA protein	
Purity	> 85 % SDS-PAGE. ab157272 was purified using conventional chromatography techniques.	
Expression system	Escherichia coli	
Accession	<u>Q16655</u>	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MGSSHHHHHSSGLVPRGSHMGSCRRRRNGYRALMDKSL HVGTCALTRRC PQEGFDHRDSKVSLQEKNCEPVVPNAPPAYEKLSAEQS PPPYSP	
Predicted molecular weight	10 kDa including tags	
Amino acids	48 to 118	
Tags	His tag N-Terminus	

Specifications

Our **Abpromise guarantee** covers the use of **ab157272** in the following tested applications.
 The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

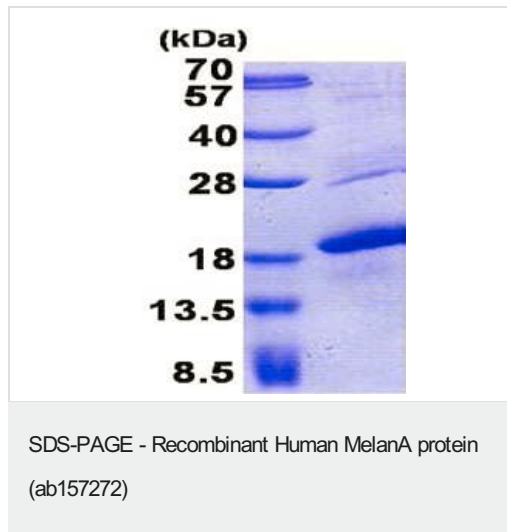
Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00
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Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

General Info

Function	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.
Tissue specificity	Expression is restricted to melanoma and melanocyte cell lines and retina.
Post-translational modifications	Acylated.
Cellular localization	Endoplasmic reticulum membrane. Golgi apparatus. Golgi apparatus > trans-Golgi network membrane. Melanosome. Also found in small vesicles and tubules dispersed over the entire cytoplasm. A small fraction of the protein is inserted into the membrane in an inverted orientation. Inversion of membrane topology results in the relocalization of the protein from a predominant Golgi/post-Golgi area to the endoplasmic reticulum. Melanoma cells expressing the protein with an inverted membrane topology are more effectively recognized by specific cytolytic T-lymphocytes than those expressing the protein in its native membrane orientation.

Images



15% SDS-PAGE analysis of ab157272 (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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