

Recombinant human Melan-A/MART-1 protein

Catalog Number: ATGP2146

PRODUCT INFORMATION

Expression system

E.coli

Domain

48-118aa

UniProt No.

Q16655

NCBI Accession No.

NP_005502

Alternative Names

Melanoma antigen recognized by T-cells 1, MART-1, MART1

PRODUCT SPECIFICATION

Molecular Weight

10.4 kDa (94aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Melanoma antigen recognized by T-cells 1, also known as MLANA, is involved in melanosome biogenesis by ensuring the stability of GPR143. This protein 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. Recombinant human MLANA protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

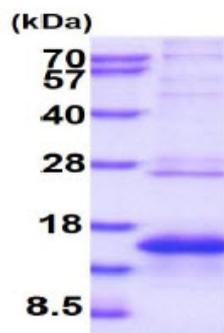
MGSSHHHHHH SSSLVPRGSH MGSCRRRNGY RALMDKSLHV GTQCALTRRC PQEGFDHRDS KVSLQEKNC
PVVNPAPPAY EKLSAEQSP PYS

General References

Hoashi T., et al. (2005) J. Biol. Chem. 280:14006-14016
Giordano F., et al. (2009) Hum. Mol. Genet. 18:4530-4545

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.