

MLANA, 48-118aa, Human, His tag, E.coli

Cat.NO.: TP02982

3th Edition

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

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.

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

Molecular Weight:10.4kDa (94aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSCRRRNGYRALMDKSLHVGTCALTRRCPQEGFDHRDSKVS LQEKNCPEVV
PNAPPAYEKLSAEQSPPPYSP

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.