

Product information



MLANA, 48-118aa

Human, His-tagged, Recombinant, *E.coli*

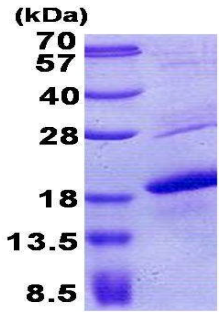
Cat. No. IBATGP2146

Full name: Melanoma antigen recognized by T-cells 1

NCBI Accession No.: NP_005502

Synonyms: 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.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT</p> <p>Molecular Weight: 10.4kDa (94aa), confirmed by MALDI-TOF</p> <p>Purity: > 85% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSCRRRRNGY</u> RALMDKSLHV GTQCALTRRC PQEGFDHRDS KVSLQEKNC E PVVPNAPPAY EKLSAEQSP P PYSP</p>	

General references:

Hoashi T., *et al.* (2005) *J. Biol. Chem.* 280:14006-14016

Giordano F., *et al.* (2009) *Hum. Mol. Genet.* 18:4530-4545

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com