

Recombinant Human MLANA, GST-tagged

Cat. No. MLANA-2040H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The protein was expressed as gst-tagged fusion protein by E.Coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-118aa
Description	Protein melan-A also known as melanoma antigen recognized by T-cells 1 or MART-1 is a protein that in humans is encoded by the MLANA gene. A fragment of the protein, usually consisting of the nine amino acids 27 to 35, is bound by MHC class I complexes which present it to T cells of the immune system. These complexes can be found on the surface of melanoma cells. Decameric peptides (26-35) are being investigated as cancer vaccines.
Form	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.
Storage	The protein is stored in PBS buffer at -20 °C. Repeated freeze thaw cycles should be avoided.

GENE INFORMATION

Gene Name	MLANA melan-A [Homo sapiens (human)]
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Official Symbol	MLANA
Synonyms	MLANA; MART1; MART-1; melan-A; melanoma antigen recognized by T-cells 1; antigen LB39-AA; antigen SK29-AA; protein Melan-A
Gene ID	2315
mRNA Refseq	NM_005511
Protein Refseq	NP_005502
MIM	605513
UniProt ID	Q16655
Chromosome Location	9p24.1
Function	protein binding

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