

## Recombinant Human MLANA, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	The protein was expressed as gst-tagged fusion protein by E.Coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-118aa
<b>Description</b>	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.
<b>Form</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.
<b>Storage</b>	The protein is stored in PBS buffer at -20 °C. Repeated freeze thaw cycles should be avoided.

### GENE INFORMATION

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

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