

---

## Product Data Sheet

---

Product Name: HTLV-1 p24 core  
Cat. No.: GP25432  
Batch No.: 1

### Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	50mM NaPO4 pH 6.0, containing 1mM DTT & 1mM EDTA.		

### Introduction

Human T-lymphotropic virus (HTLV) is a human, single-stranded RNA retrovirus that causes T-cell leukemia and T-cell lymphoma. The virus activates a subset of T-helper cells called Th1 cells. The result is a proliferation of Th1 cells and overproduction of Th1 related cytokines (mainly IFN-gamma and TNF-alpha). Feedback mechanisms of these cytokines cause a suppression of the Th2 lymphocytes and a reduction of Th2 cytokine production (mainly IL-4, IL-5, IL-10 and IL-13). The end result is a reduction in the ability of the infected host to mount an adequate immune response to invading organisms that require a predominantly Th2 dependant response (these include parasitic infections and production of mucosal and humoral antibodies).

### Stability

HTLV-1 p24 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

### Background

The E.Coli derived recombinant protein contains the full-length sequence of HTLV-I p24, spanning all of p24. The protein contains 214 amino acids having an Mw of 24kDa.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA