

Recombinant HTLV-I gp21 (aa 351-404) GST

Catalog No.	CSI15830A CSI15830B CSI15830C	Quantity:	100 µg 0.5 mg 1.0 mg
Description:	<p>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 dependent response (these include parasitic infections and production of mucosal and humoral antibodies).</p> <p>The <i>E. coli</i> derived recombinant protein contains the gp21 immunodominant region, 351-404 amino acids, the MW is 21 kDa. Fused with a GST tag at N-Terminus.</p>		
Source:	<i>E. coli</i>		
Molecular Weight:	21 kDa		
Formulation:	60 mM NaCl + 50 mM Tris-HCl, pH-8.0 + 0.25% Sarkosil + 50% Glycerol + 10 mM Glutathione.		
Purity:	HTLV-1 gp21 is >95% pure as determined by 10% SDS-PAGE (coomassie staining) and RP-HPLC.		
Purification Method:	HTLV-1 gp21 was purified by proprietary chromatographic technique.		
Applications:	HTLV-1 gp21 can be used as an antigen in ELISA and Western Blots. Excellent reagent for correct detection of HTLV infections, with minimal specificity problems.		
Storage & Stability:	<p>HTLV-1 gp21 although stable at 4°C for 1 week, should be stored below -18°C.</p> <p>Please prevent freeze thaw cycles.</p>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

