

## Recombinant HTLV-I Mosaic (aa 374-400;190-207) GST

<b>Catalog No.</b>	CSI15832A CSI15832B CSI15832C	<b>Quantity:</b>	100 µg 0.5 mg 1.0 mg
<b>Description:</b>	<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 mosaic protein contains the gp21 and gp46 immunodominant regions, 374-400 amino acids and 190-207 amino acids, the MW is 42 kDa. The protein is fused with GST at N-terminus.</p>		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	42 kDa		
<b>Formulation:</b>	60 mM NaCl + 50 mM Tris-HCl, pH 8.0 + 0.25% Sarkosil + 50% glycerol and 10 mM glutathione.		
<b>Purity:</b>	HTLV-1 Mosaic protein is >95% pure as determined by 10% PAGE (coomassie staining) and RP-HPLC.		
<b>Purification Method:</b>	HTLV-1 Mosaic was purified by proprietary chromatographic technique.		
<b>Specific Activity:</b>	Immunoreactive with all sera of HTLV-I and HTLV-II infected individuals with antibody response to HTLV envelope.		
<b>Applications:</b>	HTLV-1 Mosaic can be used as an antigen in ELISA and Western Blots. Excellent reagent for correct detection of HTLV infections, with minimal specificity problems.		
<b>Storage &amp; Stability:</b>	HTLV-1 Mosaic although stable at 4°C for 1 week, should be stored below -18°C. <b>Please prevent freeze thaw cycles.</b>		

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