

32-5604: Recombinant HTLV-1 Envelope

Description

Source : The E.Coli derived recombinant protein contains the C- terminus of gp46 and most of p21E of HTLV-1. This non-fusion, E. coli-derived protein, starts from HIV-1 env. Amino acid 165, and is ending in amino acid 440, Mw 27 kDa. 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).

Product Info

Amount :	0.5 mg
Purification :	HTLV-1 Envelope protein is >95% pure as determined by 10% PAGE (coomassie staining) and RP-HPLC.
Content :	10mM Na-PO4 pH 6.0, 0.1% SDS and 1mM DTT.
Storage condition :	Lyophilized HTLV-1 Envelope although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution HTLV-1 Envelope should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

