

## 32-5573: Recombinant HIV-1 gp41,gp120

### Description

Source : Escherichia Coli.

HIV-1 gp41-gp120 is a non-glycosylated polypeptide chain fused to 6xHis Tag.

Human immunodeficiency virus (HIV) is a retrovirus that can lead to a condition in which the immune system begins to fail, leading to opportunistic infections. HIV primarily infects vital cells in the human immune system such as helper T cells (specifically CD4+ T cells), macrophages and dendritic cells. HIV infection leads to low levels of CD4+ T cells through three main mechanisms: firstly, direct viral killing of infected cells; secondly, increased rates of apoptosis in infected cells; and thirdly, killing of infected CD4+ T cells by CD8 cytotoxic lymphocytes that recognize infected cells. When CD4+ T cell numbers decline below a critical level, cell-mediated immunity is lost, and the body becomes progressively more susceptible to opportunistic infections. HIV was classified as a member of the genus Lentivirus, part of the family of Retroviridae. Lentiviruses have many common morphologies and biological properties.

### Product Info

<b>Amount :</b>	0.5 mg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	150mM NaCl, 25mM sodium phosphate pH-8, 50% glycerol and 150mM imidazole.
<b>Storage condition :</b>	HIV-1 gp41/120 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

