



# Recombinant HIV type 1 Glycoprotein 120 (a.a. 30-110) [His] (DAG-P2850)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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| <b>Product Overview</b> | HIV-1 gp120 is a non-glycosylated polypeptide chain, containing HIV-1 gp120 N-terminus immunodominant regions, 30-110 amino acids. The protein is fused to a six histidines tag. |
| <b>Species</b>          | HIV                                                                                                                                                                              |
| <b>Purity</b>           | > 95 % SDS-PAGE                                                                                                                                                                  |
| <b>Conjugate</b>        | His                                                                                                                                                                              |
| <b>Applications</b>     | ELISA, WB                                                                                                                                                                        |
| <b>Format</b>           | Liquid                                                                                                                                                                           |
| <b>Concentration</b>    | 1mg/ml                                                                                                                                                                           |
| <b>Size</b>             | 100 µg                                                                                                                                                                           |
| <b>Buffer</b>           | 48% Urea, 1.64% Sodium phosphate, 0.158% Tris HCl                                                                                                                                |
| <b>Preservative</b>     | None                                                                                                                                                                             |
| <b>Storage</b>          | Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.                                                                                                   |

## BACKGROUND

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| <b>Introduction</b> | The human immunodeficiency virus (HIV) is a lentivirus (a subgroup of retrovirus) that causes the acquired immunodeficiency syndrome (AIDS), a condition in humans in which progressive failure of the immune system allows life-threatening opportunistic infections and cancers to thrive. Without treatment, average survival time after infection with HIV is estimated to be 9 to |
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11 years, depending on the HIV subtype. Infection with HIV occurs by the transfer of blood, semen, vaginal fluid, pre-ejaculate, or breast milk. Within these bodily fluids, HIV is present as both free virus particles and virus within infected immune cells.

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| <b>Keywords</b> | HIV; HIV gp120; HIV Glycoprotein 120 |
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