



# Recombinant HIV type 1 Glycoprotein 41 (DAG675)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	This product is a Pichiapastoris-derived recombinant protein corresponding to amino acids 546-682 of HxB2, an ecto-domain of glycoprotein gp41 from HIV-1.
<b>Species</b>	HIV
<b>Purity</b>	95% by SDS PAGE
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA; Western Blotting
<b>Molecular Weight</b>	22-28 kDa
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	The human immunodeficiency virus (HIV) is a lentivirus (slowly replicating 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 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.
<b>Keywords</b>	env; Glycoprotein 41; gp41; TM; Transmembrane protein; HIV gp41 L