

## Human immunodeficiency virus Gp41-2 antigen

Cat. No. CDA037 Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

Recombinant HIV- GP41-2 expressed in E.coli non-fusionally Contains fragment of GP41 HIV-I ,has strong HIV-I immunocompetence and a molecular mass of 20KD.

#### Source

E.coli

#### Description

Human immunodeficiency virus (HIV) attacks human immune system and causes AIDS. HIV finds and destroys a type of white blood cell (T cells or CD4 cells) that the immune system must have to fight disease. AIDS stands for acquired immunodeficiency syndrome. AIDS is the final stage of HIV infection. Having AIDS means that the virus has weakened the immune system to the point at which the body has a difficult time fighting infections. gp41/120 is the major HIV protein associated with the HIV envelope. It functions as the viral antireceptor or attachment protein. gp41 (or TM) traverses the envelope, whereas gp120 is present on the outer surface and is noncovalently attached to gp41. The precursor of gp120/41 (gp160) is synthesized in the endoplasmic reticulum and is transported via the golgi body to the cell surface. Upon activation of the envelope glycoprotein (gp120/41) by cellular receptors, gp41 undergoes conformational changes that mediate fusion of the viral and cellular membranes.

#### Synonyms

gp41; env; HIV-1 gp41; Env polyprotein; Envelope glycoprotein gp160; Envelope surface glycoprotein gp160, precursor; hypothetical protein; Envelope surface glycoprotein gp120; Envelope transmembrane domain; gp160; envelope glycoprotein.

#### Purity

≥95% (SDS-PAGE)

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<b>Form</b>	liquor
<b>Applications</b>	For ELISA or rapid test, used in double antigen sandwich method.
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze/thaw cycles.

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