

Recombinant HIV-1 [Group O] gp41 protein, Beta-galactosidase-tagged

Cat. No. gp41-09H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HIV-1 [Group O] gp41 protein with Beta-galactosidase tag was expressed in E. coli.
Species	HIV
Source	E.coli
Description	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.
Molecular Mass	146 kDa
Purity	~ 95% by SDS-PAGE
Applications	ELISA
Storage	2-8 centigrade.
Storage Buffer	10 mM Na ₂ CO ₃ /10 mM EDTA/14 mM β-ME/0.05% tween 20

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GENE INFORMATION

Synonyms	Env; Glycoprotein 41; gp41; Human Immunodeficiency Virus 1; TM; Transmembrane protein
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