
Recombinant HIV1 envelope gp41 protein

Catalog Number: bs-41554P

Concentration: >1mg/ml

Species: HIV

Predicted MW: 42 kDa

Tags: N-GST

Purity: >95% pure (10% SDS-PAGE, Coomassie blue staining)

Form: Lyophilized or Liquid

Applications: **ELISA**

Storage: 1M urea in PBS with 25mM K₂CO₃.

store in 4°C for short time only, aliquot to avoid repeated freezing and thawing, store at -20°C.

Background: 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.