Recombinant HIV-1 gp41 466-753 a.a., 32kDa
Cat no ABC2692

Source
E.coli

Description:
The protein contains the a 32kD fragment of HIV-I glycoprotein gp41, amino acids:(466-753).

Purification method:
Purified by proprietary chromatographic technique.

Purity:
Protein is >95% pure as determined by 10% PAGE (coomassie staining) and RP-HPLC.

Protein conc:
1mg/ml, 20mM PBS pH7.8, 20mM NaCl 0.5M, 1mM DTT and 8M urea.

Storage:
Protein is shipped at ambient temperature. Upon arrival, Store at -20C.

Stability:
Five years frozen. One month in solution at room temperature.

Specificity:
Immunoreactive with all sera of HIV-I infected individuals.

Application:
Antigen in ELISA and Western blots, excellent antigen for early detection of HIV seroconvertors with minimal specificity problems.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.
Latest Publications:
1. Specific mutations in HIV-1 gp41 are associated with immunological success in HIV-1-infected patients receiving enfuvirtide treatment.

2. Structural basis for HIV-1 neutralization by a gp41 fusion intermediate-directed antibody.


4. [Comparison of the diagnostic value of recombinant antigens and synthetic peptides that mimic the immunogenic epitopes of the envelop protein gp41 in the enzyme immunodetection of HIV-1 antibodies] 
   Vopr Viru sol 2006 May-Jun;51(3):46-8

   Retrovirology 2006 Jul 4;3:42

6. Membrane-transferring sequences of the HIV-1 Gp41 ectodomain assemble into an immunogenic complex.

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