

HIV-1 Envelope Recombinant Protein



RPPB5560

Product Information Protein Information

Product SKU:

RPPB5560

Host:

Escherichia Coli.

Protein description:

HIV-1 envelope is an E.coli-derived recombinant protein that composes all of the reported immunogenic determinants found in gp41 and a small portion of gp120. The gene encoding this fusion protein was synthesized using codons optimized for E.coli expression and doesn't represent a linear HIV-1 envelope sequence. HIV-1 is a non-glycosylated, 233 amino acid polypeptide chain, having a molecular mass of 27275.88 dalton and pI=9.68. HIV-1 envelope protein spans the C-Terminus of gp120 and most of gp41. Superior diagnostic reagent for HIV-1 and HIV type-O detection. Detects all HIV-1 and HIV-type O infected individuals responding to envelope proteins.

Appearance:

Sterile filtered colorless clear solution.

Formulation:

The HIV-1 contains 0.5X PBS & 6M urea.

Purity:

Greater than 95.0% as determined by HPLC analysis and SDS-PAGE.

Stability:

HIV-1 Envelope although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.