

## 32-5599: Synthetic HIV-2 gp36

### Description

Source : Synthetic.

HIV-2 gp36 is full length chemically synthesized polypeptide sequence of HIV-2 envelope immunodominant regions.

HIV-1 and HIV-2 appear to package their RNA differently. HIV-1 binds to any appropriate RNA whereas HIV-2 preferentially binds to mRNA which creates the Gag protein itself. This means that HIV-1 is better able to mutate. HIV-2 is transmitted in the same ways as HIV-1: Through exposure to bodily fluids such as blood, semen, tears and vaginal fluids. Immunodeficiency develops more slowly with HIV-2. HIV-2 is less infectious in the early stages of the virus than with HIV-1. The infectiousness of HIV-2 increases as the virus progresses. Major differences include reduced pathogenicity of HIV-2 relative to HIV-1, enhanced immune control of HIV-2 infection and often some degree of CD4-independence. Despite considerable sequence and phenotypic differences between HIV-1 and 2 envelopes, structurally they are quite similar.

### Product Info

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| <b>Amount :</b>            | 0.5 mg   |
| <b>Purification :</b>      | Greater than 95.0% as determined by HPLC.  |
| <b>Content :</b>           | (1mg/1ml) in H <sub>2</sub> O.   |
| <b>Storage condition :</b> | HIV-2 gp36 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles. |

