

## Product datasheet for **BIN073**

### HIV-2 (390-702) Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	HIV-2 (390-702) recombinant protein, 1 mg
Expression Host:	E. coli
Concentration:	lot specific
Buffer:	Presentation State: Purified State: Liquid purified fraction (>95% pure by SDS-PAGE, Bradford Method) Buffer System: 0.01M Na <sub>2</sub> CO <sub>3</sub> , 0.01M Na <sub>3</sub> EDTA, 0.014M beta-Mercaptoethanol and 0.05% Tween 20 Preservative: None
Preparation:	Liquid purified fraction (>95% pure by SDS-PAGE, Bradford Method)
Applications:	<b>ELISA.</b> <b>Western blot: 1/1000.</b> <b>Colloidal Gold and Latex Beads.</b>
Protein Description:	HIV-2 env antigen (recombinant) a.a 390 to a.a 702 of the HIV-2 env region, 34kDa Beta-galactosidase (114 kDa) fused at the N-terminus. Reacts strongly with Human HIV positive serum.
Storage:	Store undiluted at 2-8°C for 2 months or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Synonyms:	HIV2, Human immunodeficiency virus type 2



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**Summary:**

HIV2 infections at present, are predominantly found in west Africa where it is the dominant form of HIV. Both HIV1 and HIV2 have the same modes of transmission and are associated with similar opportunistic infections and AIDS. In persons infected with HIV2, immunodeficiency seems to develop more slowly and to be milder, but as the disease advances, HIV2 infectiousness seems to increase. Little is known about the best approach to the clinical treatment and care of patients infected with HIV2. Some drugs used to treat HIV1 are ineffective.

HIV1 and HIV2 have similar gag (viral core) and pol (polymerase) regions, they have relatively dissimilar env (envelope) regions. Owing to this lack of homology in the envelope region, there is little serologic cross-reactivity of the antibodies directed against the envelope antigens of both HIV1 and HIV2.

**Protein Families:****ELISA.****Western blot: 1/1000.****Colloidal Gold and Latex Beads.**