



Recombinant HIV type 2 gp36 (DAGC749)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

| | |
|------------------|---|
| Species | HIV |
| Purity | ~ 95% by SDS-PAGE |
| Conjugate | Unconjugated |
| Applications | ELISA |
| Molecular Weight | 14 kDa |
| Format | Liquid |
| Size | 100 µg |
| Buffer | 50 mM Tris, pH 8.0, 0.5M NaCl, 25 mM imidazole, 6M urea |
| Preservative | None |
| Storage | Stored at 2-8°C. |

BACKGROUND

| | |
|--------------|--|
| Introduction | The HIV-2 envelope is composed of trimers of gp125 and gp36, two heavily glycosylated proteins that are linked by noncovalent bonds and embedded in a lipid bilayer whose source is the host cell cytoplasmic membrane. The surface gp125 mediates the initial steps in the virus cycle binding to cellular CD4 and/or to chemokine receptors. The transmembrane gp36 mediates virus-to-cell fusion, participates in the assembly of new viruses, and counteracts the activity of tetherin, enabling the release of new virus particles. |
| Keywords | HIV type 2 gp36; HIV2 gp36; HIV-2 gp36; HIV 2; HIV type 2; Human immunodeficiency virus 2; HIV; HIV-2; HIV2 |