



Recombinant HIV type 1 Glycoprotein 41 (a.a. 466-753) [Beta-galactosidase, HRP] (DAG1527)

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

PRODUCT INFORMATION

Product Overview	HIV-1 gp41 HRP labeled is a non-glycosylated polypeptide chain, containing 288 amino acids (466-753 a.a.) and having a Mw of 32kDa. HIV1 gp41 HRP labeled is fused to an 114kDa beta-galactosidase tag at N-terminus having a total Mw of 146kDa.
Species	HIV
Purity	Greater than 95.0% as determined by SDS-PAGE.
Conjugate	Beta-galactosidase, HRP
Molecular Weight	146 kDa
Format	Liquid
Concentration	1mg/ml
Size	100 µg, 500 µg, 1 mg
Buffer	8M urea, 20mM Tris-HCl pH-8.0 and 10mM b-mercaptoethanol.
Preservative	None
Storage	HIV-1 horseradish peroxidase although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Ship	Shipped with Ice Packs

BACKGROUND

Introduction The human immunodeficiency virus (HIV) is a lentivirus (a subgroup of retrovirus) that causes

the acquired immunodeficiency syndrome (AIDS), a condition in humans in which progressive failure of the immune system allows life-threatening opportunistic infections and cancers to thrive. Without treatment, average survival time after infection with HIV is estimated to be 9 to 11 years, depending on the HIV subtype. Infection with HIV occurs by the transfer of blood, semen, vaginal fluid, pre-ejaculate, or breast milk. Within these bodily fluids, HIV is present as both free virus particles and virus within infected immune cells.

Keywords

HIV; HIV gp41; HIV Glycoprotein 41
