



## Recombinant HIV type 1 gp41 [HRP, BGAL] (DAG1530)

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

### PRODUCT INFORMATION

**Product Overview** The E.Coli derived HRP Labeled protein contains the full-length sequence of N-terminal epitopes of HIV-1 gp41, 160 amino acids (513-674) immunodominant regions gp41L.

**Specificity** Immunoreactive with HIV positive serum.

**Species** HIV

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

**Conjugate** Beta-galactosidase, HRP

**Format** Liquid

**Size** 100 µg, 500 µg, 1 mg

**Buffer** 8M urea, 20mM Tris-HCl pH 8.0, 10mM b-mercaptoethanol

**Preservative** None

**Storage** HIV-1 gp41 HRP although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

### BACKGROUND

**Introduction** The HIV-1 envelope (Env) glycoproteins play an essential role in the virus replication cycle by mediating the fusion between viral and cellular membranes during the entry process. The Env glycoproteins are synthesized as a polyprotein precursor, gp160, that is cleaved by cellular proteases to the mature surface glycoprotein gp120 and the transmembrane glycoprotein gp41. During virus assembly the gp120/gp41 complex is incorporated as heterotrimeric spikes into the

lipid bilayer of nascent virions.

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**Keywords**

Human Immunodeficiency Virus; HIV gp41; HIV; HIV-1 gp41; HIV-1; HIV type 1 gp41

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