

Recombinant HIV-1 gp41

Catalog No.	CSI15804A CSI15804B CSI15804C	Quantity:	100 µg 0.5 mg 1.0 mg
Alternate Names:	Prehairpin fusion intermediate, PFI		
Description:	Recombinant HIV-1 gp41 Strain IIIB is a non-glycosylated 288 aa polypeptide chain comprising aa 466-753 fused to β-Galactosidase at the N- terminus. HIV-1 gp41, also known as prehairpin fusion intermediate (PFI), plays a critical role in viral fusion and entry of HIV into CD4⁺ cells and represents a potential target for anti-viral therapeutics and vaccine development because of its function as a transient viral entry intermediate.		
Source:	<i>E. coli</i>		
Molecular Weight:	32 kDa (HIV-1 gp41) + 114 kDa (β-Galactosidase)		
Formulation:	Sterile filtered colorless clear solution containing 20 mM Tris HCl, pH 8.0, + 8 M urea + 10 mM β-mercaptoethanol.		
Purity:	>95.0% by SDS-PAGE.		
Endotoxin Level:	< 0.1 ng/µg of protein.		
Specific Activity:	Immunoreactive with all sera of HIV-I infected individuals.		
Applications:	ELISA, Western blot. HIV-1 gp41 prehairpin fusion intermediate is an excellent antigen for early detection of HIV seroconversion with minimal specificity problems.		
Storage & Stability:	Stable for 1 month at room temperature. Store at -20°C. Stable for 5 years. For multiple use, aliquot upon arrival and freeze working solutions at -20°C. Avoid repeated freeze-thaw cycles.		

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