Recombinant HIV gag, His-tagged

Cat. No. gag-316H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the HIV1 Gag-P24 (subtype D) (AAA44868.1) (Pro133-Leu363) was expressed with a polyhistidine tag at the C-terminus.
Species	HIV
Source	E.coli
ProteinLength	Pro133-Leu363
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant HIV1 Gag-P24 (subtype D) consists of 238 amino acids and predicts a molecular mass of 26.6 kDa. It migrates as an approximately 27 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per μg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Storage	Store it under sterile conditions at -70℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	gag?Pr55(Gag) [?Human immunodeficiency virus 1?]
Official Symbol	gag
Synonyms	gag; Pr55(Gag); Pr55(Gag); matrix; capsid; nucleocapsid; p2; p6; p1
Gene ID	155030
Protein Refseq	NP_057850
UniProt ID	Q77YG1
Pathway	2-LTR circle formation; APOBEC3G mediated resistance to HIV-1 infection; Assembly Of The HIV Virion

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