

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°C |
| Storage | Store it under sterile conditions at -70°C. 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. |

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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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