

## Recombinant HIV gag, His-tagged

**Cat. No.** gag-315H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | A DNA sequence encoding the HIV1 Gag-P24 (subtype C) (AAB61122.1) (Pro133-Leu363) was expressed with a polyhistidine tag at the C-terminus.                                                        |
| <b>Species</b>          | HIV                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Pro133-Leu363                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from sterile PBS, pH7.4.                                                                                                                                                               |
| <b>Molecular Mass</b>   | The recombinant HIV1 Gag-P24 (subtype C) consists of 238 amino acids and predicts a molecular mass of 26.5 kDa. It migrates as an approximately 27 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 eu per µg of the protein as determined by the LAL method.                                                                                                                                    |
| <b>Purity</b>           | >85 % as determined by SDS-PAGE                                                                                                                                                                    |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -70°C                                                                                                                           |
| <b>Storage</b>          | Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                |
| <b>Reconstitution</b>   | Hardcopy of COA with reconstitution instruction is sent along with the products.                                                                                                                   |

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**GENE INFORMATION**

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

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