

## Recombinant HIV-1 gp160 Antigen, Tag Free

Cat. No. gp160-09H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant HIV-1 gp160 Envelope derived from HIV-1 clade C and expressed in HEK-293 cells                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | HIV                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Endoproteolytic processing of human immunodeficiency virus type 1 (HIV1) gp160 membrane glycoprotein precursor into gp120 and gp41 is necessary for formation of infectious HIV particles. The gp120 glycoprotein is used for binding to CD4 receptor and CCR5 co-receptor of T helper 2 (Th2) cells, and is able to induce FcepsilonRI(+) hematopoietic cells to produce IL4, which inactivates the host adaptive immune response. |
| <b>Tag</b>              | Non                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 140 kDa                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity</b>       | Protein reacts with human HIV-1 antibody positive serum in Western Blot assay                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | ≥ 80% pure by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | -60 centigrade or below                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>    | Approximately 2 mg/mL by Bicinchoninic Acid Assay (BCA)                                                                                                                                                                                                                                                                                                                                                                             |

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**Storage Buffer** Phosphate Buffered Saline (PBS)

## GENE INFORMATION

**Gene Name** env Envelope surface glycoprotein gp160, precursor [ Human immunodeficiency virus 1 ]

**Official Symbol** gp160

**Synonyms** env; Envelope surface glycoprotein gp160, precursor; Envelope surface glycoprotein gp160, precursor; hypothetical protein; Envelope surface glycoprotein gp120; Envelope transmembrane domain

**Gene ID** 155971

**Protein Refseq** NP\_057856

**UniProt ID** P04578

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