

Recombinant HIV-1 gp160 Antigen, Tag Free

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

SPECIFICATION

Product Overview	Recombinant HIV-1 gp160 Envelope derived from HIV-1 clade C and expressed in HEK-293 cells
Species	HIV
Source	HEK293
Description	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.
Tag	Non
Molecular Mass	140 kDa
Reactivity	Protein reacts with human HIV-1 antibody positive serum in Western Blot assay
Purity	≥ 80% pure by SDS-PAGE
Storage	-60 centigrade or below
Concentration	Approximately 2 mg/mL by Bicinchoninic Acid Assay (BCA)

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Storage Buffer	Phosphate Buffered Saline (PBS)
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GENE INFORMATION

Gene Name	env Envelope surface glycoprotein gp160, precursor [Human immunodeficiency virus 1]
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Official Symbol	gp160
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Synonyms	env; Envelope surface glycoprotein gp160, precursor; Envelope surface glycoprotein gp160, precursor; hypothetical protein; Envelope surface glycoprotein gp120; Envelope transmembrane domain
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Gene ID	155971
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Protein Refseq	NP_057856
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UniProt ID	P04578
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