10320 Camino Santa Fe, Suite G
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HIV Envelope Protein (254-274)

Synthetic Peptide
Catalog # SP2560b

Specification

HIV Envelope Protein (254-274) - Product Information

Primary Accession	P35961
Other Accession	O70902, P18799, P05880, P19550, P20871
Sequence	**NH2-CTHGIRPVVSTQLLLNGSLAE-COOH**

HIV Envelope Protein (254-274) - Additional Information

Other Names
Envelope glycoprotein gp160, Env polyprotein, Surface protein gp120, SU, Glycoprotein 120, gp120, Transmembrane protein gp41, TM, Glycoprotein 41, gp41, env

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

HIV Envelope Protein (254-274) - Protein Information

Name env {ECO:0000255|HAMAP-Rule:MF_04083}

Function
[Envelope glycoprotein gp160]: Oligomerizes in the host endoplasmic reticulum into predominantly trimers. In a second time, gp160 transits in the host Golgi, where glycosylation is completed. The precursor is then proteolytically cleaved in the trans-Golgi and thereby activated by cellular furin or furin-like proteases to produce gp120 and gp41.

Cellular Location
[Surface protein gp120]: Virion membrane {ECO:0000255|HAMAP-Rule:MF_04083}; Peripheral membrane protein {ECO:0000255|HAMAP-Rule:MF_04083}. Host cell membrane {ECO:0000255|HAMAP-Rule:MF_04083}; Peripheral membrane protein {ECO:0000255|HAMAP-Rule:MF_04083}. Host endosome membrane {ECO:0000255|HAMAP-Rule:MF_04083}; Single-pass type I membrane protein {ECO:0000255|HAMAP-Rule:MF_04083}. Note=The surface protein is not anchored to the viral envelope, but associates with the extravirion surface through its binding to TM. It is probably concentrated at the site of budding and incorporated into the virions possibly by contacts between the cytoplasmic tail of Env and the N-terminus of Gag {ECO:0000255|HAMAP-Rule:MF_04083}

HIV Envelope Protein (254-274) - Images

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