



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Rhesus Macaque RANTES Expression Vector
Catalog Number:	3472
Lot Number:	12/9/96
Release Category:	E
Provided:	Plasmid clone transfected into E. coli AD494 (DE3)pLysS as a frozen 30% glycerol stock.
Cloning Site:	KpnI / BamHI
Cloning Vector:	pET32a (Novagen, Madison WI)
Description:	<p>Contains the sequence coding for the mature form of rhesus macaque RANTES cloned into the KpnI-BamHI site of pET32a (Novagen, Madison WI).</p> <p>Rhesus macaque RANTES was obtained by RT-PCR from RNA of activated rhesus PBMC. The sequence information, production and purification protocols are attached. Note: There is constraint on the aminotermminus of B-chemokines which is why the insert is cloned after an enterokinase cutting site to avoid addition of any extraneous residues. The primer used for subcloning encompassed the EK site with the KpnI site. Thus one has to use EK in order to obtain a biologically active molecule.</p> <p>Protocol for Purification of Recombinant Rhesus MIP-1α, MIP-1β and RANTES</p> <p>Sequence</p>
Special Characteristics:	This clone contains the sequence coding for the mature form of rhesus macaque chemokine RANTES. An amino terminal histidine tag (6x) and S-Tag are linked in frame to the recombinant gene (226 aa fusion protein) via an enterokinase cleavage site that releases the 68 aa biologically active protein.
Recommended Storage:	-70°C.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

Contributor: Dr. Francois Villinger and Dr. Aftab Ansari.

NOTE: The *E. coli* host strain AD494 should not be used for commercial purposes without prior consent of the Brookhaven National Laboratories.

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Rhesus Macaque RANTES Expression Vector from Dr. Francois Villinger (cat# 3472)."

Recipient must not use or incorporate the reagent for commercial purposes.

Last Updated: November 26, 2018

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