

GP1 recombinant protein

Lassa virus GP1 protein

CATALOG # AAA78009	HOST E Coli	APPLICATIONS Western Blot, ELISA
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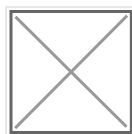
PRODUCT SYNONYMS

GP1; Lassa virus GP1 protein; GP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90% pure (10% SDS-PAGE, Coomassie blue stain)
Form/Format	Purified, Liquid ; 25mM Tris-Base / 25mM K ₂ CO ₃
Concentration	0.8mg/ml (lot: 11-2018) (varies by lot)
Applicable Applications for GP1 recombinant protein	WB (Western Blot), ELISA
Protein Structure	Lassa virus genome is comprised of two single-stranded RNA molecules designated small (S) and large (L). Two genes on the S segment encode the nucleoprotein (NP) and two envelope glycoproteins (GP1 and GP2); whereas, the L segment encodes the viral polymerase (L protein) and RING finger Z matrix protein. GP1 is an important protein used to detect specific antibody produced by lassa virus infection. 205 amino acids of lassa virus GP1 was expressed in E Coli, a 6 x histidine was lined to its C-terminus. It migrates at 23 kDa with isoelectric point 6.7.
Preparation and Storage	Upon receipt, store at -20°C. Avoid multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for GP1 recombinant protein	Lassa virus causes acute viral hemorrhagic fever and was first reported in 1969 in the town of Lassa, in Borno State, Nigeria. Lassa virus belongs to Arenaviridae virus family. Natal multimammate mouse is the primary animal hold of lassa virus, found in sub-Saharan Africa. The virus is transmitted by contact with the feces or urine of animals, giving its high rate of incidence. Lassa fever occurs commonly in West Africa. It results in 300,000 to 500,000 cases annually and causes about 5,000 deaths each year. Outbreaks of the disease have been observed in Nigeria, Liberia, Sierra Leone, Guinea, and the Central African Republic.
Product Categories/Family for GP1 recombinant protein	Lassa Virus

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

