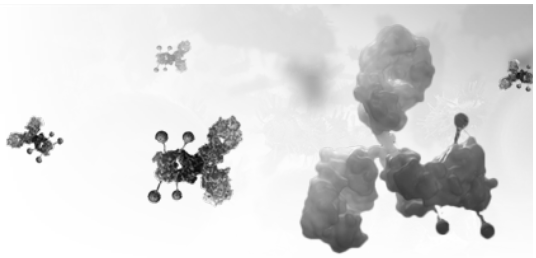

Recombinant HCV type 3a Active Core Antigen (aa 197-274) (DAG-P2186)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Active hepatitis c virus Hepatitis C Virus Core 3a protein fragment
Antigen Description	HCV (Hepatitis C Virus) viral core protein forms the internal viral coat that encapsidates the genomic RNA and is enveloped in a host cell-derived lipid membrane. The hepatitis C virus (HCV) core protein represents the first 177 amino acids of the viral precursor polyprotein and is cotranslationally inserted into the membrane of the endoplasmic reticulum. The N terminus of the core protein is involved in transcriptional repression. HCV core protein is among the most conserved proteins in HCV and is known to induce sensitization of cytotoxic T lymphocytes (CTL). Therefore, it is a prime candidate for a component of a potential HCV vaccine.
Species	HCV
Conjugate	Unconjugated
Applications	FuncS
Molecular Weight	23 kDa
Bio-activity	One unit of protease hydrolyzes 1 picomole of Ac-Asp-Glu-Dap(QXL?520)- Glu-Glu-Abu-COO-Ala -Ser-Cys(5-FAMsp)-NH2 per minute at pH 7.5 at 25° C. Active hepatitis c virus Hepatitis C Virus Core 3a protein fragment is in active form and the pre-activation by
Format	Liquid
Buffer	pH: 8.00Constituents: 0.75% Potassium chloride, 0.003% DTT, 0.32% Tris HCl, 0.06% EDTA, 20% Glycerol
Preservative	None
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze/thaw cycles.

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BACKGROUND

Introduction	Hepatitis C Virus is a positive, single stranded RNA virus in the Flaviviridae family. The genome is approximately 10,000 nucleotides and encodes a single polyprotein of about 3,000 amino acids. The polyprotein is processed by host cell and viral protease
Keywords	HCV 3a; HCV Core 3a; HCV Core genotype 3a; HCV3a; Hepatitis C Virus Core genotype 3a; HCV Core 3a

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