

HCV NS3/Core/NS4/NS5 Recomb.

Cat. No. R01600

STORE AT -20 °C

DESCRIPTION	Hepatitis C virus (HCV) Core/NS3/NS4/NS5 recombinant fusion antigen
TYPE	Antigen
SHIPPING & STORAGE INFORMATION	Store at -20 °C. Up to 2 weeks, store at 2–8 °C. Avoid multiple freeze/thaw cycles.
SAFETY PRECAUTIONS	Refer to the appropriate Safety Data Sheet (SDS) for additional information.
NOTES	This reagent has been manufactured under ISO13485 quality management system and is suitable for research or further manufacturing use only. Centrifuge before opening to ensure complete recovery of vial contents.

General Characteristics

SPECIES OF ORIGIN	Hepatitis C virus (HCV)
PRODUCTION SYSTEM	<i>E. coli</i>
PROTEIN	Chimeric fusion protein containing HCV Core (a.a. 11–53), NS3 (a.a. 1210–1450 and 1337–1483), NS4 (a.a. 1888–1925), and NS5 (a.a. 2332–2423) fragments.
MOLECULAR WEIGHT	71 kDa by SDS-PAGE (includes fusion protein)
FORMAT	Purified, liquid
PURITY	> 90% (SDS-PAGE)
CONCENTRATION	As reported (quantitative SDS-PAGE against reference sample)
ACTIVITY CONCENTRATION	As reported (SDS-PAGE concentration × colloidal gold activity gradient factor)
ACTIVITY GRADIENT FACTOR	Acceptance range: 0.8–1.2
BUFFER	20 mM phosphate buffer, pH 7.4
PRESERVATIVES	None
INACTIVATION	Not applicable

Applications

Suitable for use in ELISA and lateral flow double-antigen sandwich assays. Each laboratory should determine an optimum working titer for its particular assay format. Other assay formats have not been tested but should not necessarily be excluded.

Recommended antigen pair for double-antigen sandwich assay:

Capture antigen

R01599

Detection antigen

R01600