Recombinant Hepatitis C Virus HCVgp1, His-tagged

Cat. No. HCVgp1-183H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HCV-NS5b, 2634-2752aa, Hepatitis C Virus, His tag, E.coli
Species	HCV
Source	E.coli
ProteinLength	2634-2752aa
Description	Hepatitis C virus genotype 1 is a core protein packages viral RNA to form a viral nucleocapsid, and promotes virion budding. It modulates viral translation initiation by interacting with HCV IRES and 40S ribosomal subunit and also regulates many host cellular functions such as signaling pathways and apoptosis. It prevents the establishment of cellular antiviral state by blocking the interferon-alpha/beta (IFN-alpha/beta) and IFN-gamma signaling pathways and by inducing human STAT1 degradation. NS5B is a RNA-dependent RNA polymerase that plays an essential role in the virus replication. Recombinant HCV(Hepatitis C Virus) NS5b protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	17.0 kDa (155aa) confirmed by MALDI-TOF
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSPMGF SYDTRCFDST

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	VTESDIRTEE AIYQCCDLDP QARVAIKSLT ERLYVGGPLT NSRGENCGYR RCRASGVLTT SCGNTLTCYI KARAACRAAG LQDCTMLVCG DDLVVICESA GVQED
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)

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