

## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** R18358 **Lot #:** 3C06215

**Description:** HCV NS-3 c33c, Subtype 1a, Recomb.  
Recombinant Hepatitis C Virus (HCV) NS-3 c33c, (Amino Acids 1192-1459) Subtype 1a  
  
Contains full-length HCV c33c immunodominant region. Not full-length NS3. Contains 6 histidine fusion sequence. Molecular weight 26 kDa. Immunoreactive with HCV positive sera including sera with antibodies to NS3 secondary structure domains.

**Source:** *E. coli*

**Format:** Purified, Liquid

**Purification:** > 95% pure (10% PAGE).  
S-Sepharose and Ceramic Hydroxyapatite and Affinity purification.

**Concentration:** 1 mg/mL

**Buffer:** 50 mM Sodium Phosphate, pH 8.3 containing 10 mM Dithiothreitol (DTT)

**Preservative:** None

**Applications:** Suitable for use in ELISA and Western Blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Upon receipt, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

**Inactivation:** Not Applicable

**Safety Note(s):** Refer to the appropriate Safety Data Sheet (SDS) for additional information.

**References:** The references listed below are for research purposes only:  
1. Accapezzato, D., et al., (2005), "Chloroquine enhances human CD8<sup>+</sup> T cell responses against soluble antigens in vivo", *The Journal of Experimental Medicine*, **202**(6): 817–828.  
2. Baruah, P., et al., (2006), "The pattern recognition receptor PTX3 is recruited at the synapse between dying and dendritic cells, and edits the cross-presentation of self, viral, and tumor antigens", *Blood*, **107**: 151–158.

*Diana D.*

13 MARCH 2019

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**