



## Product Information

### HCV NS3 Antigen, 42 kDa Recombinant

Product Number **H 9409**  
Storage Temperature -20 °C

#### Product Description

Hepatitis C Virus (HCV) NS3 antigen, amino acids 1209 to 1643 of the polyprotein, is expressed in *E. coli* as the intein tagged protein.<sup>1</sup> The antigen is fused at the N-terminal to the intein.<sup>2</sup>

The NS3 proteinase is a non-structural, hepatitis C viral protein responsible for proteolytic processing of other non-structural proteins. It is responsible for proteolytic processing of the entire downstream region of the HC polyprotein.

Supplied as a solution at a concentration of 1 mg/ml in 20 mM Tris-HCl, pH 8.0, containing 20 mM  $\beta$ -mercaptoethanol.

Purity: >90% (SDS-PAGE)

#### Precautions and Disclaimer

This product is for laboratory use only. Please consult the Material Data Safety Sheet for information regarding hazards and safe handling practices.

#### Storage/Stability

This product ships on dry ice and is stable at -20 °C for at least a year. Upon thawing, store 2 to 4 °C for one month or as frozen aliquots at -20 °C. Avoid repeated freeze-thaw cycles.

#### References

1. De Francesco, R., et al., The hepatitis C virus NS3 proteinase: structure and function of a zinc-containing serine protease. *Antivir. Ther.*, **3**, 99-109 (1998).
2. Xu, M.Q. and Evans, T.C. Jr. Intein-mediated ligation and cyclization of expressed proteins. *Methods*, **24**, 257-277 (2001).

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