



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### HCV2a

Recombinant, N-terminal Flag-His tag

**Catalog #:** 80108

**Lot #:** 120927-C      **Conc.:** 0.27 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0, 400 mM NaCl, 0.2% Triton X-100, 10 mM  $\beta$ -mercaptoethanol, 100  $\mu$ g/mL Flag peptide, and 30% glycerol.

**Stability:** >6 months at  $-80^{\circ}\text{C}$

#### References:

1. Jensen, T.B., *et al.*, *J. Infect. Dis.* 2008;**198**(12):1756-1765.
2. Wang, Y., *et al.*, *Cell Immunol.* 2006 May;**241**(1):38-46.

#### Description:

Hepatitis C virus (HCV) genotype 2a, also known as HCV2a, is a fusion protein of a.a. 21-32 of NS4A, linker (4 a.a.) and a.a. 3-181 of NS3 (GenBank Accession No. FJ393024) with N-terminal Flag-His tag, MW = 22.3 kDa, expressed in an *E. coli* expression system.

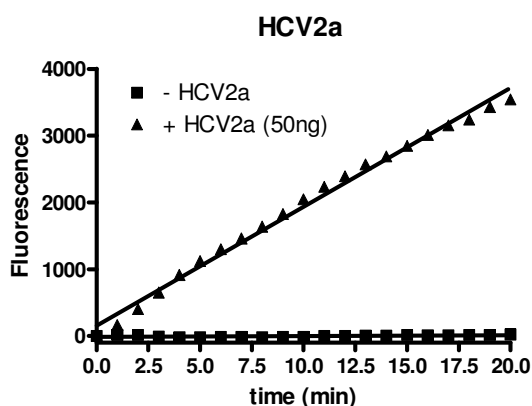
**Specific Activity:** 93 pmole/min/ $\mu$ g

**Assay conditions:** Assay was done in 100  $\mu$ l HCV assay buffer containing 50 mM Tris, pH7.4, 150 mM NaCl, 5 mM DTT, 10% glycerol, and 5  $\mu$ M HCV substrate peptide. Reaction was monitored at room temperature for 20 min continuously at ex350/em500.

#### Application:

Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

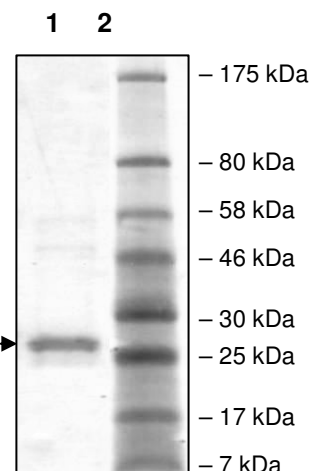
## Quality Assurance



#### 4-20% SDS-PAGE Coomassie staining

**Lane 1:**  
2  $\mu$ g HCV2a  
**Lane 2:**  
Protein Marker

**MW:** 22.3 kDa  
**Purity:**  $\geq 90\%$



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**Sequence:**

**MDYKDDDDKHHHHHHGCVSIIGRLHVNGSGSITAYAQQTRGLLGAIIVSMTGRDRTE  
QAGEVQILSTVSQSFLGTTISGVLWTVYHGAGNKTLAGLRGPVTQMYSSAEGDLVGW  
PSPPGTKSLEPCKCGAVDLYLVTRNADVIPARRRGDKRGALLSPRPISLTKGSSGGP  
VLCPRGHVVGLFRAAVCSRGVAKSIDFIPVETLDVVTRS**

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