

## GP2b Protein, PRRSV (Cell-Free, His)

Cat. No.:	HY-P702299
Synonyms:	Envelope small membrane protein; Glycoprotein 2b; Protein GP2b; Gs
Species:	Virus
Source:	E. coli Cell-free
Accession:	POC6Y6 (G2-L70)
Gene ID:	/
Molecular Weight:	13.7 kDa

### PROPERTIES

AA Sequence	<p>G S L W S K I S Q L    F V D A F T E F L V    S V V D I A I F L A    I L F G F T V A G W</p> <p>L L V F L L R V V C    S A L L R S R S A I    H S P E L S K V L</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 $\mu$ m filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>GP2b protein, a minor envelope protein, potentially serves as a viroporin within the virion envelope, facilitating the uncoating of the virus for the release of genomic RNA into the cytoplasm, a crucial step for subsequent replication. It forms homooligomers and associates with itself to create higher-order structures, including dimers, trimers, and tetramers. Moreover, GP2b is likely to be part of the GP2a-GP3-GP4 complex, contributing to the overall functionality of the viral envelope.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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