

infectious pancreatic necrosis birnavirus Vp4 peptidase

Cat. No. EXWM-4110

Lot. No. (See product label)

Introduction

Description

Infectious pancreatic necrosis virus (IPNV) is a birnavirus that causes an acute, contagious disease in young salmonid fish. As with most viruses that infect eukaryotic cells, the proteolytic processing of viral precursor proteins is a crucial step in the life cycle of this virus. pVP2 is converted into VP2 by cleavage near the carboxy end of pVP2. This cleavage is most likely due to host-cell proteases rather than VP4. Differs from most serine peptidases in not having the catalytic triad Ser-His-Asp. Belongs in peptidase family S50.

Synonyms

infectious pancreatic necrosis virus protease; IPNV Vp4 protease; IPNV Vp4 peptidase; NS protease; NS-associated protease; Vp4 protease

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.4.21.115

Reaction

Cleaves the (Ser/Thr)-Xaa-Ala-(Ser/Ala)-Gly motif in the polyprotein NH₂-pVP2-VP4-VP3-COOH of infectious pancreatic necrosis virus at the pVP2-VP4 and VP4-VP3 junctions

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.