Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.