

PPH302 PODS® Empty

Description

PODS® Empty crystals are composed solely of polyhedrin protein which self-assembles into regular, cubic crystals. Thus, these PODS® co-crystals do not contain any cargo protein, in contrast to other PODS® growth factor products, and are intended to be used as negative controls alongside cargo-containing PODS® co-crystals. The cross-reactivity of PODS® Empty crystals has been tested on a variety of cells including mouse ES cells, PC12, fibroblasts, and ETS embryos, and there was no observable interference with the tested cells. Additionally, in-vivo data indicate no inflammatory response to PODS® Empty crystals in animals.

Length	250 aa
Molecular Weight	28.7 kDa
Source	<i>Spodoptera frugiperda (Sf9) cell culture</i>
Accession Number	D37771.1

Usage Recommendation

PODS® Empty crystals display the same physical properties as other PODS® growth factor products. While PODS® Empty behave in the same way as other PODS® co-crystals, they differ in that they do not contain or release cargo protein. They can be used analogous to other PODS® growth factor products.

Specifications

Alternative Names	Bombyx mori cypovirus polyhedrin protein
Endotoxin Level	<0.06 EU/ml as measured by gel clot LAL assay
Formulation	PODS® were lyophilized from a volatile solution
AA Sequence	MIMADVAGTS NRDFRGREQR LFNSEQYNYN SSLNGEVSVW VYAYYSDGSV LVINKNSQYK VGISETFKAL KEYREGQHND SYDEYEVNQS IYYPNGGDAR KFHSNAKPRA IQIIFSPSVN VRTIKMAKGN AVSVPDEYLQ RSHPWATGI KYRKIKRDGE IVGYSHYFEL PHEYNSISLA VSGVHKNPSS YNVGSAHNVN DVFQSCDLAL RFCNRYWAEL ELVNHYISPN AYPYLDINNH SYGVALSNRQ

Preparation and Storage

Reconstitution	PODS® co-crystals may be reconstituted at 200 million co-crystals/ml in water. 20% glucose has a buoyant density closer to PODS® co-crystals and can be useful for aliquoting. PODS® co-crystals are highly stable when stored in aqueous solution (pH range 6 - 8).
Stability and Storage	Upon receipt, store at 4°C. PODS® co-crystals are stable for at least 1 year when dry and 6 months when resuspended.