SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DATA SHEET

RESEARCH USE ONLY
www.cellgs.com

PPH56 PODS® Human BMP-4

Description

The product contains the polyhedrin protein co-crystalized with Human BMP-4. Bone Morphogenic Protein 4 (BMP-4) is a member of the Bone Morphogenetic Protein (BMP) family. These proteins are synthesized as large precursor molecules which are cleaved by proteolytic enzymes. BMP proteinsstimulate the production of bone matrix proteins and osteoclasts proliferation, and can be found on tissues related with bone or cartilage growth.

Length	452 aa
Molecular Weight	103 kDa
Source	*Spodoptera frugiperda (Sf9) cell culture*
Accession Number	AAC72278.1

Usage Recommendation

PODS® co-crystals provide a depot of proteins which are steadily secreted. It has been estimated that the biological activity of 50 million PODS® co-crystals generates the same peak dose as 3.3 µg of standard recombinant protein. However, at 5 days following the start of seeding the PODS® co-crystals, there are more than 50% of these peak levels still present in the culture system. Ultimately, the amount of PODS® co-crystals that is optimal for a particular experiment should be determined empirically. Based on previous data, we suggest using 50 million PODS® co-crystals in place of 3.3 µg of standard growth factor as a starting point."To control for cross-reactivity with cells or as a negative control, we recommend using PODS® growth factors alongside PODS® Empty crystals, as the latter do not contain or release cargo protein.

Specifications

Alternative Names	Bone morphogenetic protein 4, bone morphogenetic protein 4A, BMP-4A, BMP4, BMP4A
Endotoxin Level	<0.06 EU/ml as measured by gel clot LAL assay
Formulation	PODS® were lyophilized from a volatile solution
AA Sequence	MADVAGTSNR DFRGREQRLF NSEQYNYNNS KNSRPSTSLY KKAGSIPGNR MLMVVLLCQV LLGGASHASL IPETGKKKVA EIQGHAGGRR SGQSHELLRD FEATLLQMFG LRRRPQPSKS AVIPDYMRDL YRLQSGEEEE EQIHSTGLEY PERPASRANT VRSFHHEEHL ENIPGTSENS AFRFLFNLSS IPENEAISSA ELRLFREQVD QGPDWERGFH RINIYEVMKP PAEVVPGHLI TRLLDTRLVH HNVTRWETFD VSPAVLRWTR EKQPNYGLAI EVTHLHQTRT HQGQHVRISR SLPQGSGNWA QLRPLLVTFG HDGRGHALTR RRRAKRSPKH HSQRARKKNK NCRRHSLYVD FSDVGWNDWI VAPPGYQAFY CHGDCPFPLA DHLNSTNHAI VQTLVNSVNS SIPKACCVPT ELSAISMLYL DEYDKVVLKN YQEMVVEGCG CR

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.