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

PPH3 PODS® Human MCSF

Description

The product contains the polyhedrin protein co-crystalized with Human MCSF. Macrophage Colony Stimulating Factor (MCSF) is a hematopoietic growth factor that is widely produced by a variety of cells. MCSF stimulates the proliferation and differentiation of hematopoietic stem cells into monocyte and macrophage cell types. MCSF also acts through the colony stimulating factor 1 receptor (CSF1R) to modulate processes involved in immunology, bone metabolism, fertility, and pregnancy. Human MCSF shows activity on mouse cells, however mouse MCSF shows no activity on human cells.

Length	203 aa
Molecular Weight	23.6 / 47.2 kDa
Source	*Spodoptera frugiperda (Sf9) cell culture*
Accession Number	P09603

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	Macrophage Colony Stimulating Factor, M-CSF, MGI-IM, CSF-1
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 KKAGFEEVSE YCSHMIGSGH LQSLQRLIDS QMETSCQITF EFVDQEQLKD PVCYLKKAFL LVQDIMEDTM RFRDNTPNAI AIVQLQELSL RLKSCFTKDY EEHDKACVRT FYETPLQLLE KVKNVFNETK NLLDKDWNIF SKNCNNSFAE CSSQGHERQS EGS

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.