

Product Data Sheet

Product Name: Chitodextrinase
 Cat. No.: GP21484
 Batch No.: 1

Product Data

Purity	>98%	Source
Physical Appearance	solid	Shipping Condition
Amino Acid Sequence	HMRGSGSHHHHHKFKTKIKNSSELNRKLVGYFPEWAYSSEAQGYFNVTDLQWDSLTHIQYSFAMVDPSTNKITLSNKHAAIEEDFSEFDLNYNGK	
Solubility	It is recommended to reconstitute the lyophilized Chitodextrinase in sterile 18MΩ-cm H ₂ O not less than 100 μg/ml, which can then FormulationChitodextrinase lyophilized from a 0.2μm filtered concentrated solution in PBS.	

Introduction

Chitodextrinase is a unique membrane-bound endoenzyme. The chitodextrinase enzyme cleaves soluble oligomers, but not chitin, to the di- and trisaccharides. Chitodextrinase is unable to solubilize chitin, but it can catalyze the hydrolysis of high to low molecular weight soluble chitin oligosaccharides.

Stability

Lyophilized Chitodextrinase although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Chitodextrinase should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Background

Chitodextrinase Clostridium Botulinum Recombinant fused with a 13 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 590 amino acids and having a molecular mass of 66.9kDa. The Chitodextrinase is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA