

32-2221: Chitodextrinase Recombinant Protein

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	100 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	Chitodextrinase lyophilized from a 0.2µm filtered concentrated solution in PBS.
Storage condition :	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.
Amino Acid :	HMRGSGSHHHHHKFKTKIKNSSELNRKLVGYFPEWAYSSEAQGYFNVTDLQWDSLTHIQYSFAMVDPS TNKITLSNKHAAIEEDFSEFDLNYNGKKIELDPSLPYKGFHNVLQTMKKNYPDVSLISVGGWTGTRCFYTMIDT DNRINTFADSCVDFIRKYGFDGVDIDFEYPSSTSQSGNPDDFDLSEPRRTKLNERYNLIKTLREKIDMASKEDGK EYLLTAAVTASPWVLGGISDNTYAKYLDFLSIMSYDYHGGWNEYVEHLAGIYPNKEDRETVTQIMPTLCMDWAY RYYRGVLPKILMGIPYYTRGWENVQGGINGLHGSSKTPASGKYNILGDDLNDGVLEPDGANPLWHVLNLM EQDPNLKVYWDEISKVPYVWQNDKKVFSFENEKSIDARLEYIQNKNLGGALIWMNGDYGLNPNYVEGSNKI NEGKYTFGDTLTKRLSQGLKMGVCNKTPDDLNISLEPINVDVKFNGKYDHPNYTYSIDITNYTDKEIKGGWNV SFDLPKSAVFKSSWGGTYSVTDNGDFNTITLTSQAWQNIAPNSTITVQGMIGLCFSGIRNVTFNGMNPIGNDK.

Application Note

It is recommended to reconstitute the lyophilized Chitodextrinase in sterile 18M Ω -cm H₂O not less than 100 Ω µg/ml, which can then be further diluted to other aqueous solutions.