

Chitinase Clostridium Paraputrificum Recombinant

Item Number rAP-0893

Synonyms

Description Chitinase Clostridium Paraputrificum Recombinant fused with a His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 582 amino acids and having a molecular mass of 64.2kDa. The Chitinase is purified by proprietary chromatographic techniques.

Uniprot Accesion Number

Amino Acid Sequence MRGSGSHHHH HHMYYGWDSI WGGQGNYFPK DIPADKLTHL NFAFMDFNSS GELIYCDKDA AIGHPLGNLG VTYGDVNGGI LNAFQVLKSE NPNLKIGVSL GGWSKSGDFS TIAATPSIRA KFVENVMKFI KYTNMDFVDI DWEYPGDYRE PDKTDNINDE GTPNASAGDK ENYILLQLDL KEALNKQGKE LGKVYELSA LPAGVSKIEK GIDVDKLFNI VDFANIMTYD MAGAWSTTSG HQTALYTNPV APEEYKGLSV DESVKYYISQ GAEREKIVVG AAYYTRGWEQ VSDKGTDPNN PGLFGEEAAVV

Source Escherichia Coli.

Physical Appearance and Stability Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Chitinase although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Chitinase 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.

Formulation and Purity Chitinase lyophilized from a 0.2µm filtered concentrated solution in PBS. Greater than 95.0% as determined by SDS-PAGE.

Application

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

Biological Activity

Shipping Format and Condition Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**