

## 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 HHMYYGDWSI WGGQGNFYPK DIPADKLTHL NFAFMDFNSS GELIYCDKDA AIGHPLGNLG VTYGDVNGGI LNAFQVLKSE NPNLKIGVSL GGWSKSGDFS TIAATPSIRA KFVENVMKFI KYTNMDFVDI DWEYPG DYRE PDKTDNINDE GTPNASAGDK ENYILLQDL KEALNKQGKE LGKVYEL SVA LPAVGSKIEK GIDVDKLFNI VDFANIMTYD MAGAWSTTSG HQTALYTNPN APEEYKGLSV DESVKYYISQ GAEREKIVVG AAYYTRGWEQ VSDKGTD PNN PGLFGEAAVV

**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 end users! This product is sold for **Research Use Only**