

# Chitinase Protein Recombinant Protein



RPPB1489

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## Product Information    Protein Information

**Product SKU:**

RPPB1489

**Host:**

Escherichia Coli.

**Protein 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.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Formulation:**

Chitinase lyophilized from a 0.2µm filtered concentrated solution in PBS.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Chitinase in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

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.

**Amino Acid Sequence:**

MRGSGSHHHH HHMYGDWSI WGGQGNFYPK DIPADKLTHL NFAFMDFNSS GELIYCDKDA AIGHPLGNLG  
VTYGDVNGGI LNAFQVLKSE NPNLKIGVSL GGWSKSGDFS TIAATPSIRA KFVENVMKFI KYTNMDFVDI  
DWEYPGDYRE PDKTDNINDE GTPNASAGDK ENYILLQLDL KEALNKQGKE LGKVYELVA LPAGVSKIEK  
GIDVDKLFNI VDFANIMTYD MAGAWSTTSG HQTALYTNPN APEEYKGLSV DESVKYISQ GAEREKIVG  
AAYYTRGWEQ VSDKGTDPNN PGLFGAAVV NKDADLSPTP GALNEAPMKN GEGGRAGGVW GYNALDKLKS  
KYTGLKEYWD DSAKAPYLYN SETGAFFTYD NIRSIQEKAK YVKENNLGGI IGWMASQDAT TNSTKRDEL  
TATKESLFGK EDLPKYEIKY TENDICTVT PVKQSWGSGG VLKMSITNNE KLDESGEVLS TVETSAKTVK  
NMKVYIKTDG IAITGSQYPA GPVTKEGDYY VIDFGKISDG KLMKAGITFT FDLNLDKAIE DTNNIISIEV  
SQRMYQTSPE FNRQTIWENT NS.