Recombinant Human Chitinase-1/CHIT1 Protein

Catalog No.: RP00248

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Sequence Information

Species
Human

Gene ID
1118

Swiss Prot
AAI03696.1

Tags
C-His

Synonyms
CHIT1,CHI3,CHIT,CHITD

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
50.23 kDa

Observed MW
50-55 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Basic Information

Description
Recombinant Human Chitinase-1/CHIT1 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ala22-Asn466) of human CHIT1 (Accession #NP_003456) fused with a 6×His tag at the C-terminus.

Activity
Measured by its ability to cleave 4-Methylumbelliferyl-beta -D-N,N',N"-triacetylchitotriose (4-MU-TACT). The specific activity is >43571 pmol/min/μg.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

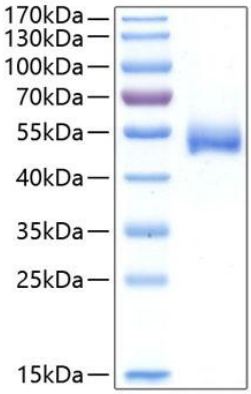
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Chitinase-1/CHIT1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.