

# Recombinant Human Chitotriosidase/CHIT1 Protein (His Tag)

RPES0470

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES0470

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 50µg, 10µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** Subject to label value.

**Species:** Human

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** CHI3, CHIT, CHIT1, CHITD, Chitinase-1, Chitotriosidase-1

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.

**Expression Host:** HEK293 Cells

**Bio-Activity:** Not validated for activity

**Calculated MW:** 50.4 kDa

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.

**Observed MW:** 54 kDa

**Reconstitution:** -

**Accession:** AAI03696.1

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Source:** HEK293 Cells-derived Human Chitotriosidase, CHIT1 protein Ala22-Asn466, with an C-terminal His

**Sequence:** Ala22-Asn466

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Form:** Liquid