

Active Recombinant Human CHIT1 protein, His-tagged

Cat. No. CHIT1-658H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHIT1 protein(Ala22-Asn466), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-466 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-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.
Molecular Mass	50.23 kDa
Endotoxin	< 0.01 EU/µg of the protein by LAL method
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL

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in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

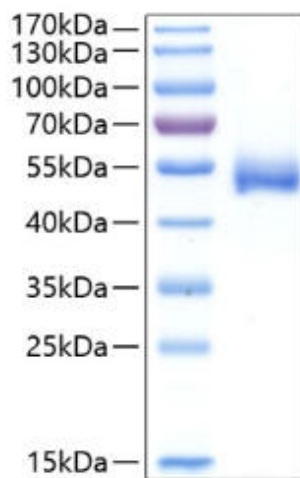
Gene Name	CHIT1 chitinase 1 (chitotriosidase) [Homo sapiens]
Official Symbol	CHIT1
Synonyms	CHIT1; chitinase 1 (chitotriosidase); chitotriosidase-1; CHI3; CHIT; chitinase-1; plasma methylumbelliferyl tetra-N-acetylchitotetraoside hydrolase; CHITD; FLJ00314; MGC125322;
Gene ID	1118
mRNA Refseq	NM_001256125
Protein Refseq	NP_001243054
MIM	600031
UniProt ID	Q13231

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SDS-PAGE



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