

Recombinant Human CHIT1 protein, His-tagged

Cat. No. CHIT1-3741H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHIT1 protein(117-466 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	117-466 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ ,17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	QTFVNSAIRFLRKYSFDGLDLWEYPGSQGSPAVDKERFTTLVQDLANAFQQEAQT SGKERLLLSAAVPAGQTYVDAGYEVDKIAQNLDVNLMAFYDFHGSWEKVTGHN SPL YKRQEESGAAASLNVDAAVQQWLQKGTPASKLILGMPTYGRSFTLASSSDTRVGAP ATGSGTPGPFTKEGGMLAYYEVCSWKGATKQRIQDQKVPYIFRDNQWVGFD DVES FKTKVSYLKQKGLGGAMVWALDLD DFAGFSCNQGRYPLIQTLRQELSLPYLPSGTP ELEVPKPGQPSEPEHGPSPGQDTFCQ GKADGLYPNPRERSSFYSCAGGR LFQQSC PTGLVFSNSCKCCTWN
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.
Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

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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