# Active Recombinant Human CHIT1 protein, His-tagged

**Cat. No.** CHIT1-1257H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | 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. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | Ala22-Asn466 |
| **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** | 52 kDa |
| **Endotoxin** | < 0.01 EU/μg of the protein by LAL method. |
| **Purity** | > 95% by SDS-PAGE. |
| **Storage** | Store the lyophilized protein at -20°C to -80 °C for long term.<br>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. |

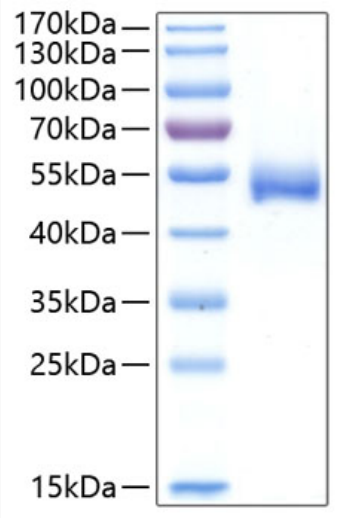
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| **Reconstitution** | Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. |

## GENE INFORMATION

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| **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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