

## Recombinant Human CHIT1, His tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CHIT1 (NP_003456.1) precursor (Met 1-Asn 466), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                               |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-466 a.a.                                                                                                                                                                                                                                          |
| <b>Form</b>             | Lyophilized from sterile 12.5mM Tris, 75mM NaCl, 50% glycerol, pH 7.5                                                                                                                                                                               |
| <b>Molecular Mass</b>   | The recombinant human CHIT1 consists of 456 amino acids after removal of the signal peptide and has a predicted molecular mass of 50.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh CHIT1 is approximately 48 kDa. |
| <b>Endotoxin</b>        | < 1.0 eu per µg of the protein as determined by the LAL method.                                                                                                                                                                                     |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -70oC.                                                                                                                                                                           |
| <b>Storage</b>          | Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                           |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                    |

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## GENE INFORMATION

|                 |                                                      |
|-----------------|------------------------------------------------------|
| Gene Name       | CHIT1 chitinase 1 (chitotriosidase) [ Homo sapiens ] |
| Official Symbol | CHIT1                                                |
| Gene ID         | 1118                                                 |
| mRNA Refseq     | NM_001256125                                         |
| Protein Refseq  | NP_001243054                                         |
| MIM             | 600031                                               |
| UniProt ID      | Q13231                                               |

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