## PRODUCT INFORMATION

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|---|---|
| **Target** | CHI3L1 |
| **Synonyms** | ASRT7;CGP-39;GP-39;GP39;HC-gp39;HCGP-3P;hCGP-39;YK-40;YKL-40;YKL40;YYL-40 |
| **Description** | Recombinant human CHI3L1 protein with C-terminal 6×His tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P36222 |
| **Expression Host** | HEK293 |
| **Tag** | C-6×His Tag |
| **Molecular Characterization** | CHI3L1(Tyr22-Thr383) 6×His tag |
| **Molecular Weight** | The protein has a predicted molecular mass of 41.3 kDa after removal of the signal peptide. The apparent molecular mass of CHI3L1-His is approximately 35-55 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage & Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | Chitinases catalyze the hydrolysis of chitin, which is an abundant glycopolymer found in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases includes eight human family members. This gene encodes a glycoprotein member of the glycosyl hydrolase 18 family. The protein lacks chitinase activity and is secreted by activated macrophages, chondrocytes, neutrophils and synovial cells. The protein is thought to play a role in the process of inflammation and tissue remodeling. [provided by RefSeq, Sep 2009] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

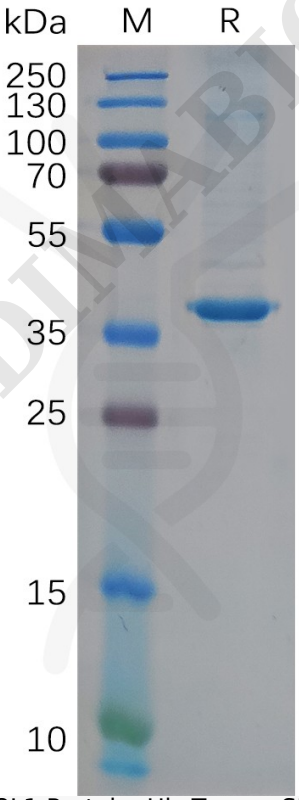


Figure 1. Human CHI3L1 Protein, His Tag on SDS-PAGE under reducing condition.



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