

# Active Recombinant Human CHI3L1 protein, His-tagged

**Cat. No.** CHI3L1-657H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human CHI3L1 protein(P36222)(Tyr22-Thr383) is expressed from HEK293 with His tag at the C-Terminus.                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 22-383 aa                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).                                                                                                                                                                       |
| <b>Bio-activity</b>     | Immobilized Human YKL-40, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-YKL-40 Antibody, hFc Tag with the EC50 of 38.2ng/ml determined by ELISA.                                                     |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 41.6 kDa. Due to glycosylation, the protein migrates to 42-50 kDa based on Bis-Tris PAGE result.                                                                                               |
| <b>Endotoxin</b>        | Less than 1 EU per µg by the LAL method.                                                                                                                                                                                         |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC                                                                                                                                                                 |
| <b>Storage</b>          | Store at -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

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|                               |                                                                                                               |
|-------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution</b>         | Dissolve the lyophilized protein in distilled water.                                                          |
| <b>protein Refseq-Weblink</b> | <a href="http://www.ncbi.nlm.nih.gov/protein/NP_001267.2">http://www.ncbi.nlm.nih.gov/protein/NP_001267.2</a> |
| <b>Unit ID</b>                | P36222                                                                                                        |
| <b>Unit ID-Weblink</b>        | <a href="https://www.uniprot.org/uniprotkb/P36222">https://www.uniprot.org/uniprotkb/P36222</a>               |

## GENE INFORMATION

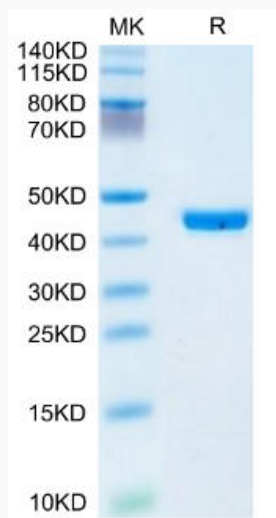
|                        |                                                                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CHI3L1 chitinase 3-like 1 (cartilage glycoprotein-39) [ Homo sapiens ]                                                                                                                                                                          |
| <b>Official Symbol</b> | CHI3L1                                                                                                                                                                                                                                          |
| <b>Synonyms</b>        | CHI3L1; chitinase 3-like 1 (cartilage glycoprotein-39); chitinase-3-like protein 1; GP39; YKL40; 39 kDa synovial protein; cartilage glycoprotein 39; ASRT7; GP-39; CGP-39; YKL-40; YYL-40; HC-gp39; HCgp-3P; hCGP-39; FLJ38139; DKFZp686N19119; |
| <b>Gene ID</b>         | 1116                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>     | NM_001276                                                                                                                                                                                                                                       |
| <b>protein Refseq</b>  | NP_001267                                                                                                                                                                                                                                       |
| <b>MIM</b>             | 601525                                                                                                                                                                                                                                          |

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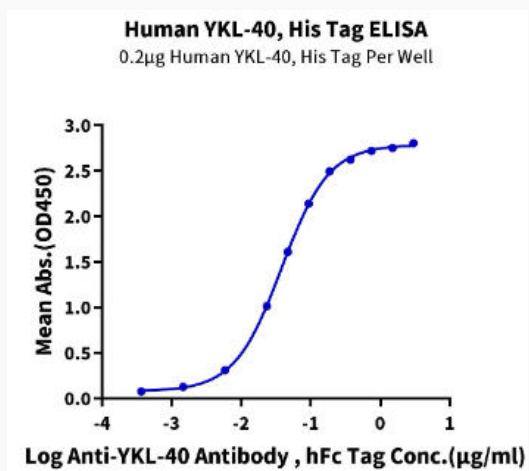
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## Bis-Tris PAGE



## ELISA Data



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