Recombinant Human Chitinase-3-Like Protein 1/CHI3L1 (C-His)
Catalog No: BP079

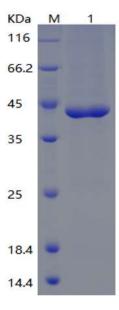|	
Description	Recombinant Human Chitinase-3-Like Protein 1 is produced by Human 293 Cells. The target gene encoding Y22-T383 is expressed with an 8His tag at the C terminus.
Expression System	Human
Alternative name	Chitinase-3-Like protein 1; 39 kDa Synovial Protein; Cartilage Glycoprotein 39; CGP-39; GP-39;hCGP-39; YKL-40; CHI3L1
Accession No.	P36222
Predicted Molecular Weight	43.7kDa
Apparent Molecular Weight	CHI3L1 protein appeared at 44kDa in a reducing SDS-PAGE gel
Quality Control	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/µg (1 EU/µg) as determined by TAL test.
Formulation	PBS, pH 7.2
Reconstitution	It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	Chitinase-3-Like Protein 1 (CHI3L1) is a member of the glycosyl hydrolase 18 family. CHI3L1 is expressed in activated macrophages, articular chondrocytes, synovial cells as well as in liver. CHI3L1 is thought to play a role in defense against pathogens, tissue remodeling, and in the capacity of cells to respond to and cope with changes in their environment. In addition, CHI3L1 is associated with susceptibility to asthma-related traits type 7 (ASRT7) which assessed by methacholine challenge test, serum IgE levels, atopy, and atopic dermatitis.
SDS-PAGE	

M: Marker

1: Sample in reducing conditions