RP00521

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Recombinant Human Chitinase-3-like protein 1/CHI3L1 Protein

Catalog No.: RP00521 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	1116	P36222

Tags
C-6×His

Synonyms
CHI3L1;ASRT7;CGP-39;GP-39;GP39;HC-gp39;HCGP-3P;YKL-40;YKL40;YYL-40;hCGP-39

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.Contact us for customized product form or formulation.

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

Background

Chitinase-3-Like Protein 1 (CHI3L1) belongs to the glycosyl hydrolase 18 family. CHI3L1 is expressed inactivated macrophages, articular chondrocytes, synovial cells as well as in liver. It lacks chitinase activity and issecreted by activated macrophages, chondrocytes, neutrophils and synovial cells. CHI3L1 is thought to play arole in defense against pathogens, or in tissue remodeling, and in the capacity of cells to respond to and copewith changes in their environment. In addition, CHI3L1 is associated with susceptibility to asthma-related traitstype 7 (ASRT7) which assessed by methacholine challenge test, serum IgE levels, atopy, and atopic dermatitis.

Basic Information

Description
Recombinant Human Chitinase-3-like protein 1/CHI3L1 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Tyr22-Thr383) of human Chitinase-3-like protein 1/CHI3L1 (Accession #P36222) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
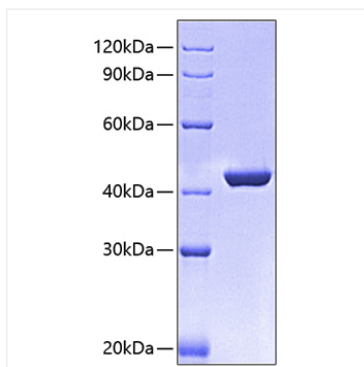Avoid repeated freeze/thaw cycles.

Contact

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Validation Data

Recombinant Human Chitinase-3-like protein 1/CHI3L1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.