PRODUCT INFORMATION

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

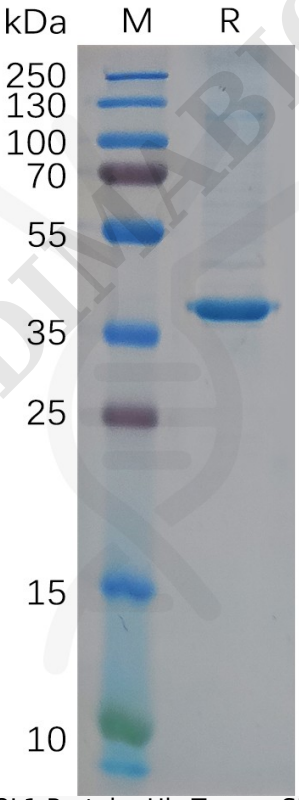


Figure 1. Human CHI3L1 Protein, His Tag on SDS-PAGE under reducing condition.

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Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA) /+86-18062749453(China) /+86-400-006-0995(China)
Email: info@dimabio.com
Website: www.dimabio.com

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