

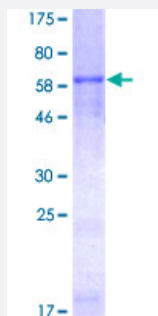
Full-Length

CHI3L1 (Human) Recombinant Protein (P01)

Catalog # H00001116-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CHI3L1 full-length ORF (AAH08568.1, 1 a.a. - 383 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGVKASQTGFVVLVLLQCCSAYKLVCIYTSWSQYREGDGSCFPDALDRFLCTHIYSFANISNDHI
DTWEWNDVTLYGMLNTLKNRPNLKTLLSVGGWNFGSQRFKIASNTQSRRTFIKSVPPFLRTHG
FDGLDLAWLYPGRDKQHFTTLIKEMKAEFIKEAQP GK KQLLSAALSAGKVTIDSSYDIAKISQHL
DFISIMTYDFHGAWRGTTGHHSPLFRGQEDASPD RFSNTDYAVGYMLRLGAPASKLVMGIPTFGR
SFTLASSETGVGAPISGP GIPGRFTKEAGTLAYYEICDFLRGATVHRILGQQVPYATKGNQWVG YD
DQESVKSKVQYLKDRQLAGAMVWALDLD D FQGSFCGQDLRFPLTNAIKDALAAT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CHI3L1

Entrez GeneID [1116](#)

GeneBank Accession# [BC008568.1](#)

Protein Accession# [AAH08568.1](#)

Gene Name CHI3L1

Gene Alias ASRT7, DKFZp686N19119, FLJ38139, GP39, HC-gp39, HCGP-3P, YKL40, YYL-40

Gene Description chitinase 3-like 1 (cartilage glycoprotein-39)

Omim ID [181500 601525](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000039087|cartilage glycoprotein-39|chitinase 3-like 1

Disease

- [Asthma](#)

- [Brain Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Hepatitis C](#)
- [Hyperparathyroidism](#)
- [Hypersensitivity](#)
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