Human CHI3L1, His Tag, E. coli

Catalog Number	LDG139PHE
Package	5 μg / 20 μg / 100 μg / Customized package

Publications (1)

For full product information, images and publications, please visit our website.

Specifications

Species of Origin
Human

Expression System
Escherichia coli

Affinity Tag
His Tag (C-term)

Storage Buffer
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Purity
>98% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 41.43 kDa. The protein migrates as 40 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin Level
<0.1 EU per 1 μg of the protein by the LAL method.

Form
Lyophilized

Background

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Background

Chitinases and non-enzymatic chitinase-like proteins (CLPs, can bind chitin but cannot digest) belong to Glycoside hydrolase family 18. Human CHI3L1, YKL-40, is a CLP and a 42 kDa protein with 383 amino acid residues. The complex (CHI3L1, IL-13R alpha2 and IL-13) regulate downstream signal transduction pathway related to inflammation, proliferation and metastasis.

Synonyms

39 kDa synovial protein, Cartilage glycoprotein 39, CGP-39, GP-39, hCGP-39, YKL-40, Chitinase-3-like protein 1

Uniprot ID

#P36222

Sequence Note

Tyr22-Thr383

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image

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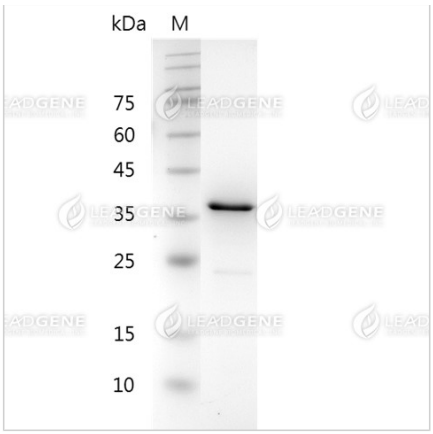

SDS-PAGE analysis of
recombinant human CHI3L1.

Disclaimer : For Research Use or Further Manufacturing Only.

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