Chitinase-3-Like Protein 2 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: CHI3L2, YKL-39, Chondrocyte protein 39

Cat. No.:
RD172409100 (0.1 mg)

Description

Total 374 AA. MW: 42.1 kDa (calculated). UniProtKB acc.no. Q15782 (Tyr27-Leu390). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

Amino Acid Sequence

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MKHHHHHHAS YKLVCYFTNW SQDRQEPGKF TPENIDPFLC SHLIYSFASI ENNKVIIKDK SEVMLYQTIN SLKTKNPKLK
ILLSIGGYLF GSKGFHPMVD SSTSRLEFIN SIILFLRNHN FDGLDVSWIY PDQKENTHFT VLIHELAEAF QKDFTKSTKE
RLLLTAGVSA GRQMIDNSYQ VEKLAKDLDF INLLSFDFHG SWEKPLITGH NSPLSKGWQD RGPSSYYNVE YAVGYWIHKG
MPSEKVVMGI PTYGHSFTLA SAETTVGAPA SGPGAAGPIT ESSGFLAYYE ICQFLKGAKI TRLQDQQVPY AVKGNQWVGY
DDVKSMETKV QFLKNLNLGG AMIWSIDMDD FTGKSCNQGP YPLVQAVKRS LGSL
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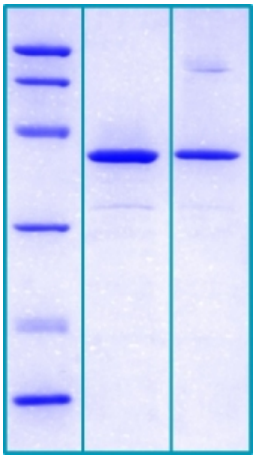
Source

E. coli

Purity

Purity as determined by densitometric image analysis: > 95 %

SDS-PAGE gel



14 % SDS-PAGE separation of Human Chitinase-3-like protein 2 E.coli:
1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa
2. Reduced and boiled sample, 2.5 µg/lane
3. Non-reduced and non-boiled sample, 2.5 µg/lane

Endotoxin

< 1.0 EU/µg

Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/mL solution in 30 mM acetate buffer, pH 4.

Reconstitution

Add 0.1 M acetate buffer pH 4.0 to prepare a working stock solution of 0.5 mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 µg/mL. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in cell culture.

Shipping

On ice. Upon receipt, store the product at the temperature recommended below.

Storage, Stability/Shelf Life

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

Quality Control Test

BCA to determine quantity of the protein.
SDS-PAGE to determine purity of the protein.
LAL TEST to determine endotoxin level.

Applications

ELISA, Western blotting

Note

This product is intended for research use only.

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