# Human YKL-39/CHI3L2 (His Tag) recombinant protein

Catalog Number: 500082



# **General Information**

# **Gene Name Synonym**

Chondrocyte protein 39; YKL-39

#### **Protein Construction**

A DNA sequence encoding the human CHI3L2 (NP\_003991.2) extracellular domain (Met 1-Leu 390) was fused with a polyhistidine tag at the C-terminus and a signal peptide at the N-terminus.

### **Organism**

Human

# **Expression Host**

**Human Cells** 

# **QC Testing**

# **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

### **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

# Predicted N terminal

Lys 28

#### **Molecular Mass**

The recombinant human CHI3L2 consists of 374 amino acids and has a predicted molecular mass of 42.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCHI3L2 is approximately 43 kDa.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.4

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

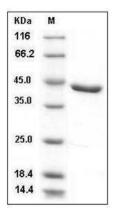
#### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human CHI3L2 / YKL-39 Protein (His Tag) SDS-PAGE