# **Human S100A8 (His Tag) recombinant protein**

Catalog Number: 503448



## **General Information**

## Gene Name Synonym

Calgranulin-A; Calprotectin L1L subunit; Cystic fibrosis antigen; Leukocyte L1 complex light chain; Migration inhibitory factor-related protein 8; S100 calcium-binding protein A8; Urinary stone protein band A; Protein S100-A8, N-terminally processed

### **Protein Construction**

A DNA sequence encoding the human S100A8 (NP\_002955.2) (Met 1-Glu 93) was expressed, fused with a polyhistidine tag at the C-terminus.

## **Organism**

Human

### **Expression Host**

Baculovirus-Insect Cells

# **QC Testing**

### **Activity**

Measured by its ability to bind recombinant human S100A9 in a functional ELISA.

#### **Purity**

> 90 % 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

#### Met.

#### **Molecular Mass**

The recombinant human S100A8 consists of 103 amino acids and predicts a molecular mass of 12.2 kDa. It migrates as an approximately 14.6 kDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 8.0.

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

# **Usage Guide**

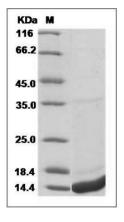
## **Storage**

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 S100A8 / CAGA / p8 Protein (His Tag) SDS-PAGE