

# Human S100A12 recombinant protein



Catalog Number: 502704

## General Information

### Gene Name Synonym

CGRP; Calcium-binding protein in amniotic fluid 1; Calgranulin-C; Extracellular newly identified RAGE-binding protein; Migration inhibitory factor-related protein 6; Neutrophil S100 protein; S100 calcium-binding protein A12; Calcitermin

### Protein Construction

A DNA sequence encoding the native human S100A12 (NP\_005612.1) (Met 1-Glu 92) was expressed.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant human S100A12 at 2 µg/ml (100 µl/well) can bind human AGER with a linear range of 0.032-20 µg/ml.

### Purity

> 98 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

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

### Predicted N terminal

Met 1

### Molecular Mass

The recombinant human S100A12 consisting of 92 amino acids and has a calculated molecular mass of 10.6 kDa. It migrates as an 10 kDa band in SDS-PAGE under reducing conditions as predicted.

### 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

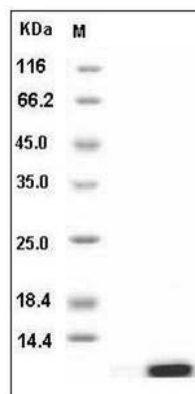
### Storage

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 S100A12 / CAGC / Calgranulin-C Protein  
SDS-PAGE