Recombinant Human S100-A12 Protein

Catalog No.: RP00009

www.abclonal.com

Sequence Information

Species
Human

Gene ID
6283

Swiss Prot
P80511

Tags
C-His

Synonyms
S100A12,CAAF1,CAGC,CGRP, ENRAGE,MRP-6,MRP6,p6

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
11.42 kDa

Observed MW
Approximately 14 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The protein is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 proteins include at least 13 members which are located as a cluster on chromosome 1q21. This protein is proposed to be involved in specific calcium-dependent signal transduction pathways and its regulatory effect on cytoskeletal components may modulate various neutrophil activities. The protein includes an antimicrobial peptide which has antibacterial activity.

Basic Information

Description
Recombinant Human S100-A12 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Glu92) of human S100A12 (Accession #NP_005612.1) fused with a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human S100A12 Protein at 2 μg/mL (100 μL/well) can bind AGER (CatalogNo: RP00154) with a linear range of 1.95-14.13 ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

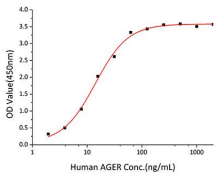
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

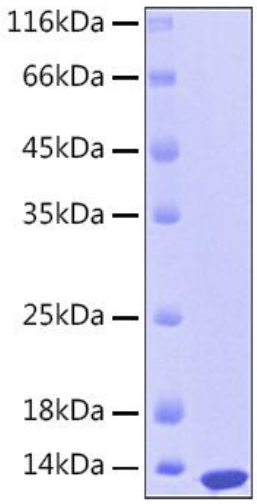
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Immobilized Recombinant Human S100-A12 Protein at 2μg/mL (100 μL/well) can bind AGER with a linear range of 1.95-14.13ng/mL.



Recombinant Human S100-A12 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.