

# Recombinant mouse S100A10 protein

Catalog Number: ATGP3228

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-97aa

### UniProt No.

P08207

### NCBI Accession No.

NP\_033138.1

### Alternative Names

42C, AA409961, AL024248, CAL12; Cal1l, CLP11, p10, p11, S100a10

## PRODUCT SPECIFICATION

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### Molecular Weight

13.6 kDa (120aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

S100A10 also known as S100 calcium binding protein A10 is a group of small Ca<sup>2+</sup> binding proteins with molecular weight of 10-12 kDa. Intracellular S100 proteins usually function as modulators of their target proteins, and exert various roles such as regulation of protein phosphorylation, enzyme activity, Ca<sup>2+</sup> homeostasis, cytoskeleton components, and transcription factors. Recent research suggests a role for S100A10

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as a prognostic marker and potential therapeutic target in colorectal cancer. Recombinant mouse S100A10, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MPSQMEH AMETMMLTFH RFAGDKDHLT KEDLRVLMER EFPGFLENQK  
DPLAVDKIMK DLDQCRDGKV GFQSFLSLVA GLTIACNDYF VVNMKQKGKK

## General References

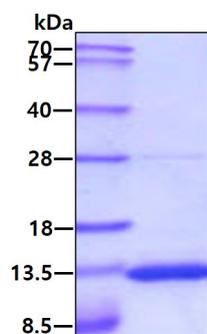
Donato R., et al. (2001) Int J Biochem Cell Biol. 33(7):637-68.

Shang J., et al. (2013) Tumor Biol. 34(6):3785-90.

## DATA

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### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.