

Datasheet for ABIN7320783  
**S100A11 Protein (His tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	50 µg
Target:	S100A11
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This S100A11 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse S100A11 Protein (His Tag)(Active)
Sequence:	Met1-Ile98
Characteristics:	Recombinant Mouse S100-A11 is produced by our E.coli expression system and the target gene encoding Met1-Ile98 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Immobilized Human ANXA2(Cat: PKSH032074) at 10µg/ml(100 µl/well) can bind Mouse S100A11-His. The ED50 of Mouse S100A11-His is 0.8µg/mL.

## Target Details

Target:	S100A11
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## Target Details

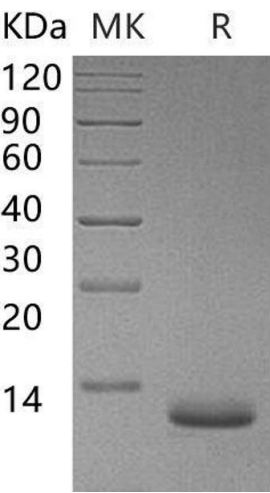
Alternative Name:	S100A11 ( <a href="#">S100A11 Products</a> )
Background:	<p>Background: Protein S100-A11(S100A11) is a member of the S-100 family. S100A11 is widely expressed in multi pletissues, and is located in cytoplasm, nucleus, and even cell periphery. S100A11 exists as a non-covalent homodimer with an antiparallel conformation. Ca(2+) binding to S100A11 would trigger conformational changes which would expose the hydrophobic cleft of S100A11 and facilitate its interaction with target proteins. As a dual cell growth mediator, S100A11 acts as either a tumor suppressor or promoter in many different types of tumors and would play respective roles in influencing the proliferatin of the cancer cells. In the nucleus, S100A11 suppresses the growth of keratinocytes through p21 (CIP1/WAF1) activation and induces cell differentiation. S100A11 is also a novel diagnostic marker in breast carcinoma. Synonym: Protein S100-A11, Calgizzarin, Endothelial monocyte-activating polypeptide, EMAP, Protein S100-C, S100 calcium-binding protein A11, S100a11, S100c,cal,Emap1,EMAPI,S100A11,S100a14,S100c</p>
Molecular Weight:	12.6 kDa
UniProt:	<a href="#">P50543</a>
Pathways:	<a href="#">S100 Proteins</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



Western Blotting

Image 1.