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## Datasheet for ABIN7319331 **S100A9 Protein**

### Overview

Quantity:	50 µg
Target:	S100A9
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human S100A9 Protein
Sequence:	Thr 2-Pro114
Characteristics:	Recombinant Human S100 Calcium Binding Protein A9 is produced by our E.coli expression system and the target gene encoding Thr2-Pro114 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	S100A9
Alternative Name:	S100A9 ( <a href="#">S100A9 Products</a> )
Background:	Background: Protein S100-A9 (also MRP14 and calgranulin B) is a calcium- and zinc-binding protein which plays a prominent role in the regulation of inflammatory processes and immune response. It can induce neutrophil chemotaxis, adhesion, can increase the bactericidal activity of neutrophils by promoting phagocytosis via activation of SYK, PI3K/AKT, and ERK1/2 and can

## Target Details

induce degranulation of neutrophils by a MAPK-dependent mechanism.

Synonym: Protein S100-A9, Calgranulin-B, Calprotectin L1H subunit, Leukocyte L1 complex heavy chain, MRP-14, CAGB, CFAG

Molecular Weight: 13.2 kDa

NCBI Accession: [NP\\_002956](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Positive Regulation of Endopeptidase Activity](#), [S100 Proteins](#)

## Application Details

Restrictions: For Research Use only

## 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: 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 < -20°C for 3 months.