

## Datasheet for ABIN7320358 **S100A6 Protein**



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### Overview

|               |                            |
|---------------|----------------------------|
| Quantity:     | 50 µg                      |
| Target:       | S100A6                     |
| Origin:       | Mouse                      |
| Source:       | Escherichia coli (E. coli) |
| Protein Type: | Recombinant                |

### Product Details

|                  |  |
|------------------|--|
| Purpose:         | Recombinant Mouse S100A6 Protein   |
| Sequence:        | Met 1-Lys 89   |
| Characteristics: | A DNA sequence encoding the mouse S100A6 (NP_035443.1) (Met 1-Lys 89) was expressed. |
| Purity:          | > 98 % as determined by SDS-PAGE   |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | S100A6  |
| Alternative Name: | S100A6 ( <a href="#">S100A6 Products</a> )  |
| Background:       | <p>Background: S100 protein is a family of low molecular weight protein found in vertebrates characterized by two EF-hand calcium-binding motifs. There are at least 21 different S100 proteins, and the name is derived from the fact that the protein is 100% soluble in ammonium sulfate at neutral pH. Most S100 proteins are disulfide-linked homodimer, and is normally present in cells derived from the neural crest, chondrocytes, macrophages, dendritic cells, etc. S100 proteins have been implicated in a variety of intracellular and extracellular functions. They</p> |

## Target Details

are involved in regulation of protein phosphorylation, transcription factors, the dynamics of cytoskeleton constituents, enzyme activities, cell growth and differentiation, and the inflammatory response. S100A6 (S100 calcium binding protein A6) is a member of the S100 family of proteins, and functions in prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of S100A6 have been implicated in melanoma.

Synonym: 2A9;5B10;Cacy;CALCYCLIN;PRA

Molecular Weight: 10 kDa

NCBI Accession: [NP\\_035443](#)

Pathways: [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 sterile 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.