

## Active Recombinant Full Length Human S100A9 protein

**Cat. No.** S100A9-3879H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Full Length Human S100A9 protein(NP_002956.1) (Met 1-Pro 114) was expressed in E. coli.                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                    |
| <b>Source</b>           | E. coli                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-114 aa                                                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                    |
| <b>Bio-activity</b>     | Measured by its ability to inhibit the proliferation of MCF7 human breast adenocarcinoma cells. The ED50 for this effect is typically 3-15 µg/mL.                                                                        |
| <b>Molecular Mass</b>   | The recombinant human S100A9 consisting of 114 amino acids and migrates with an apparent molecular mass of 26 & 13 kDa corresponding to dimeric and monomeric form as estimated in SDS-PAGE under Non-reduced condition. |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                         |
| <b>Storage</b>          | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                                     |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                 |

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**protein Refseq-Weblink**

[http://www.ncbi.nlm.nih.gov/protein/NP\\_002956.1](http://www.ncbi.nlm.nih.gov/protein/NP_002956.1)

**Unit ID**

P06702

**Unit ID-Weblink**

<https://www.uniprot.org/uniprotkb/P06702>

## GENE INFORMATION

**Gene Name**

[S100A9 S100 calcium binding protein A9 \[ Homo sapiens \]](#)

**Official Symbol**

[S100A9](#)

**Synonyms**

S100A9; S100 calcium binding protein A9; CAGB, CFAG, S100 calcium binding protein A9 (calgranulin B), S100 calcium binding protein A9 (calgranulin B); protein S100-A9; 60B8AG; CGLB; LIAG; MAC387; MIF; MRP14; NIF; P14; MRP-14; calgranulin B; calgranulin-B; calprotectin L1H subunit; leukocyte L1 complex heavy chain; migration inhibitory factor-related protein 14; S100 calcium-binding protein A9 (calgranulin B); CAGB; CFAG; L1AG;

**Gene ID**

[6280](#)

**mRNA Refseq**

[NM\\_002965](#)

**protein Refseq**

NP\_002956

**MIM**

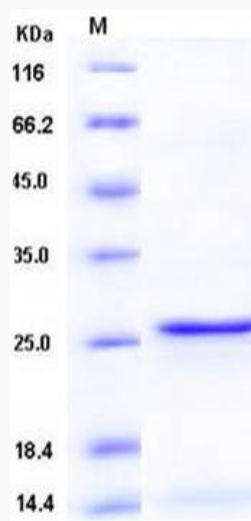
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## SDS-PAGE



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