

Active Recombinant Human S100A9 protein, His-tagged

Cat. No. S100A9-300H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human S100A9 protein(NP_002956.1) (Met 1-Pro 114) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-114 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measured by its ability to bind recombinant human S100A8-his in a functional ELISA. 2. Measured by its ability to bind recombinant human his-S100A8 in a functional ELISA. 3. Measured by its ability to inhibit the proliferation of MCF7 human breast adenocarcinoma cells. The ED50 for this effect is typically 10-30 µg/mL.
Molecular Mass	The recombinant human S100A9 consists of 124 amino acids and predicts a molecular mass of 14.6 kDa. It migrates as an approximately 16 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 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

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](#)

 Tel: 1-631-559-9269 1-516-512-3133

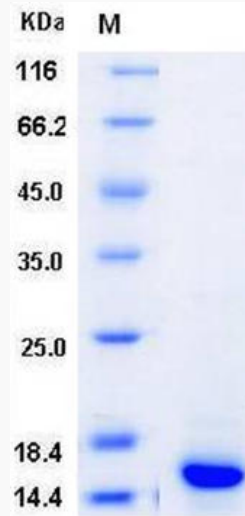
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM

123886

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA