

## Active Recombinant Human Calprotectin Protein

Cat. No. S100A8-1013H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human calprotectin heterotetramer (S100A8/S100A9) protein with an Nterminal histidine tag in the S100A8 subunit. Predicted molecular weights: S100A8 12 kDa, S100A9 13 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Calprotectin belongs to the family of S100 proteins and is composed of two subunits S100A8 and S100A9. Increased plasma concentrations are found in response to infections and inflammation. Faecal calprotectin measurement is used for detection of gastrointestinal inflammation or neoplasia and for assessment of inflammatory bowel disease activity and response to treatment
<b>Form</b>	Lyophilized from 0.2 µm filtered solution
<b>Bio-activity</b>	Anti-h Calprotectin 3403: + Anti-h Calprotectin 3404: + Anti-h Calprotectin 3405: + Anti-h Calprotectin 3406: + Anti-h Calprotectin 3407: +
<b>Molecular Mass</b>	S100A8 12 kDa, S100A9 13 kDa
<b>Storage</b>	2–8centigrade
<b>Concentration</b>	0.5 mg/ml when reconstituted with 200 µof deionized water

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

**Storage Buffer** 20 mM Tris-HCl, 100 mM NaCl, 1 mM EDTA, pH 8.0; containing 6 % sucrose as a stabilize

**Reconstitution** Reconstitute lyophilized protein with 200 µof deionized water

## GENE INFORMATION

**Gene Name** [S100A8 S100 calcium binding protein A8 \[ Homo sapiens \]](#)

**Official Symbol** [S100A8](#)

**Synonyms**

S100A8; S100 calcium binding protein A8; CAGA, CFAG, S100 calcium binding protein A8 (calgranulin A) , S100 calcium binding protein A8 (calgranulin A); protein S100-A8; 60B8AG; CGLA; MRP8; P8; MRP-8; calgranulin A; calgranulin-A; cystic fibrosis antigen; calprotectin L1L subunit; urinary stone protein band A; leukocyte L1 complex light chain; migration inhibitory factor-related protein 8; S100 calcium-binding protein A8 (calgranulin A); MIF; NIF; CAGA; CFAG; L1Ag; CP-10; MA387;

**Gene ID** [6279](#)

**mRNA Refseq** [NM\\_002964](#)

**Protein Refseq** [NP\\_002955](#)

**MIM** [123885](#)

**UniProt ID** [P05109](#)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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