

Active Recombinant Human Calprotectin Protein

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Description	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
Form	Lyophilized from 0.2 µm filtered solution
Bio-activity	Anti-h Calprotectin 3403: + Anti-h Calprotectin 3404: + Anti-h Calprotectin 3405: + Anti-h Calprotectin 3406: + Anti-h Calprotectin 3407: +
Molecular Mass	S100A8 12 kDa, S100A9 13 kDa
Storage	2–8centigrade
Concentration	0.5 mg/ml when reconstituted with 200 µlof deionized water

 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

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