

Active Recombinant Human S100 calcium binding protein A1

Cat. No. S100A1-200H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human S100A1 produced in E.Coli contains full length amino acids.
Species	Human
Source	E.coli
Description	S100 belongs to the family of calcium binding proteins with EF-hand type Ca ⁺² binding motive. S100A1 (Calcium Binding Protein A1) is involved in the activation of sarcoplasmatic calcium release and the regulation of intermediate filament polymerization.
Formulation	100μpurified human S100A1 protein at 0.2mg/ml in 20mM HEPES-KOH, pH7.0, 50mM NaCl, 1mM EDTA and 1mM DTT.
Application And Suggested Dilutions	•ELISA •Inhibition Assays •Western Blotting.
Characterization	S100A1 antibody reactive.
Activity	~3 nmol/mg/min using phosphatidylinositol as substrate.
Purity	Greater than 95% by SDS-PAGE.
Storage & Stability	Store vial at -20°Cto -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

 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

Full Length
Full L.

GENE INFORMATION

Synonyms

S100A1; S100; S100 alpha; S100-alpha; S100A; S100 calcium binding protein A1; OTTHUMP00000035100; S-100 protein alpha chain; S-100 protein alpha subunit; S100 calcium binding protein A1; S100 calcium-binding protein A1; S100 protein, alpha polypeptide.

Gene Name

S100A1 S100 calcium binding protein A1 [Homo sapiens]

Gene ID

6271

mRNA Refseq

NM_006271

Protein Refseq

NP_006262

MIM

176940

UniProt ID

P23297

**Chromosome
Location**

1q21

Function

ATPase binding;S100 alpha binding;S100 beta binding;calcium ion binding;protein homodimerization activity;zinc ion binding

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PDB rendering based
on 1k2h

