

Recombinant Full Length Human S100 Calcium Binding Protein A9, His-tagged

Cat. No. S100A9-2369H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human S100A9 protein, fused to His-tag at C-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 14.3 kDa (122aa).
Species	Human
Source	E.coli
ProteinLength	1-114 a.a.
Description	S100-A9, also known as Calgranulin B, belongs to the S100 family containing EF-hand type Ca ²⁺ -binding proteins. It is involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation, and associated with the disease cystic fibrosis. S100A9 has been implicated in the abnormal differentiation of myeloid cells in the stroma of cancer. This protein may function in the inhibition of casein kinase.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl.
Purity	> 90% by SDS - PAGE.
Concentration	1.0 mg/ml (determined by Bradford assay).
Sequences Of Amino	MTCKMSQLER NIETIINTFH QYSVKLGHPD TLNQGEFKEL VRKDLQNFLK KENK

 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

Acids NEKVIE HIMEDLDTNA DKQLSFEEFI MLMARLTWASHEKMHEGDEG PGHCHK
PGLG EGTPLEHHHH HH.

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

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

Synonyms S100A9; S100 calcium binding protein A9; MIF; NIF; P14; CAGB; CFAG; CGLB; L1AG; LIAG;MRP14; 60B8AG; MAC387; S100A9; S100; MRP-14 calcium-binding protein A9 (calgranulin B); S100 calcium binding protein A9 (calgranulin B); calgranulin B; OTTHUMP00000015331; Calprotectin L1H subunit; Leukocyte L1 complex heavy chain

Gene ID [6280](#)

mRNA Refseq [NM_002965](#)

Protein Refseq [NP_002956](#)

MIM [123886](#)

UniProt ID [P06702](#)

Chromosome Location 1q21

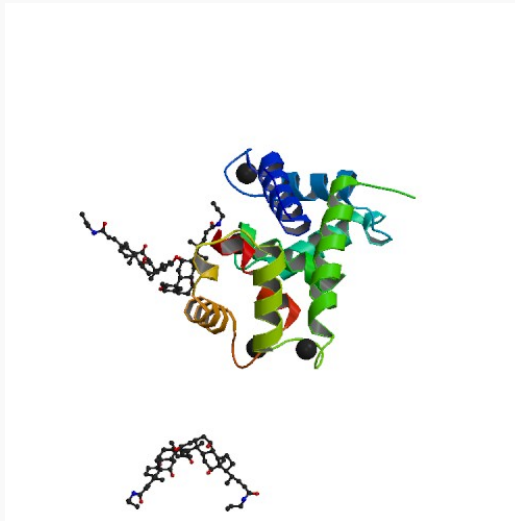
Function calcium ion binding; protein binding; signal transducer activity

 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

PDB rendering based
on 1irj.



 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