

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
Protein Length	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

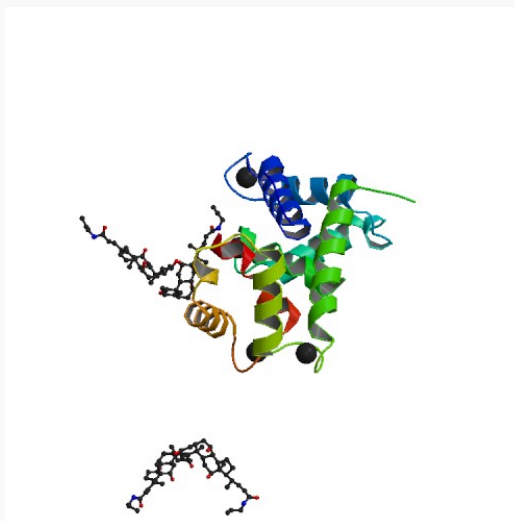
Acids	NEKVIE HIMEDLDTNA DKQLSFEEFI MLMARLTWASHEKMHEGDEG PGHHHK PGLG EGTPLEHHHH HH.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	S100A9 S100 calcium binding protein 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

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