

Recombinant Full Length Mouse S100A9, His-tagged

Cat. No. S100A9-3590M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse S100A9 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography (1-113aa).
Species	Mouse
Source	E.coli
ProteinLength	1-113 a.a.
Description	S100A9, 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 20% glycerol, 1mM DTT
Molecular Weight	15.2 kDa (133aa), confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino	MGSSHHHHHH SSGLVPRGSH MANKAPSQME RSITTIIDTF HQYSRKEGHP

 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 DTLSKKEFRQ MVEAQLATFM KKEKRNEALI NDIMEDLDTN QDNQLSFEEC
MMLMAKLIFA CHEKLHENNP RGHGSHSGKG CGK

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 \(calgranulin B\) \[Mus musculus \]](#)

Official Symbol S100A9

Synonyms S100a9; p14; Cagb; GAGB; L1Ag; BEE22; MRP14; 60B8Ag; AW546964; S100 calcium binding protein A9 (calgranulin B); protein S100-A9; MRP-14; calgranulin-B; OTTMUSP00000032973; leukocyte L1 complex heavy chain; migration inhibitory factor-related protein 14; S100 calcium-binding protein A9 (calgranulin B)

Gene ID [20202](#)

mRNA Refseq [NM_009114](#)

Protein Refseq [NP_033140](#)

UniProt ID [P31725](#)

Chromosome Location 3 F1-F2; 3 43.6 cM

Function calcium ion binding

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