

Recombinant human S100A9 protein

Catalog Number: ATGP0543

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-114aa

UniProt No.

P06702

NCBI Accession No.

NP_002956.1

Alternative Names

Protein S100-A9, Calgranulin B, 60B8AG, CAGB, CFAG, CGLB, L1AG, LIAG, MAC387, MIF, MRP14, NIF, P14, Protein S100-A9 AI323541, B8Ag, BEE11, CAGA, Calgranulin-A, Calprotectin L1L subunit, Calprotectin, included, CGLA, Chemotactic cytokine CP-10, CP-10, Cystic fibrosis antigen, Leukocyte L1 complex light chain MA387, MIF, Migration inhibitory factor-related protein 8, Myeloid-related protein 8, Neutrophil cytosolic 7 kDa protein, NIF, p8, Pro-inflammatory S100 cytokine, Protein S100-A8, S100 calcium binding protein A8, S100 calcium binding protein A8 (calgranulin A), S100A8, S100A8/S100A9 complex, included, urinary stone protein band A.

PRODUCT SPECIFICATION

Molecular Weight

14.3 kDa (122aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

S100-A9, also known as Calgranulin B, belongs to the S100 family containing EF-hand type Ca²⁺-binding

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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. Recombinant S100A9 protein, fused to His-tag at C-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MTCKMSQLER NIETIINTFH QYSVKLGHPD TLNQGEFKEL VRKDLQNFLK KENKNEKVIE HIMEDLDTNA DKQLSFEEFI
MLMARLTWAS HEKMHEGDEG PGHHHKPGLG EGTP<LEHHHH HH>

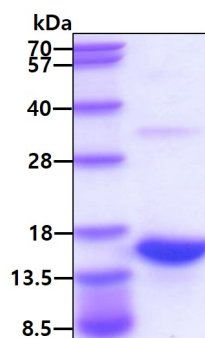
General References

Schafer BW. et al. (1996) Trends Biochem Sci. 21(4):134-40.

Nacken W.,et al. (2003) Microsc Res Tech. 60(6):569-80.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.