

Recombinant mouse S100A9 protein

Catalog Number: ATGP1120

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-113aa

UniProt No.

P31725

NCBI Accession No.

NP_033140.1

Alternative Names

S100 calcium binding protein A9, Calgranulin-B, Cagb, Mrp14

PRODUCT SPECIFICATION

Molecular Weight

15.2 kDa (133aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT

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

S100A9, also known as Calgranulin-B, belongs to the S100 family containing EF-hand type Ca²⁺-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. Recombinant mouse S100A9 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MANKAPSQME RSITTIIDTF HQYSRKEGHP DTL SKKEFRQ MVEAQLATFM
KKEKRNEALI NDIMEDLDTN QDNQLSFEEC MMLMAKLIFA CHEKLHENNP RGHGHSHGKG CGK

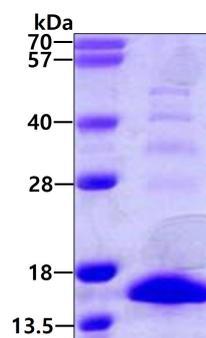
General References

Schafer BW., et al. (1996) Trends biochem Sci. 21(4):134-140

Nacken W., et al. (2003) Microsc Res Tech. 60:569-580

DATA

SDS-PAGE



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