

AR39025PU-L

Mouse S100A8 / Calgranulin-A / MRP8 (1-89, His-tag) - Purified

Alternate names:

CAGA, CFAG, Calprotectin L1L subunit, Cystic fibrosis antigen, Leukocyte L1 complex light chain, MRP-8, Migration inhibitory factor-related protein 8, S100 calcium-binding protein A8, S100-A8, Urinary stone protein band A

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

S100A8, also known MRP8, is a member of the S100 family, EF-hand superfamily of calcium binding proteins. This protein is localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. It functions both intracellularly and extracellularly, where it binds to RAGE and CD36. Altered expression of this protein is associated with the disease cystic fibrosis.

Uniprot ID:

[P27005](#)

NCBI:

[NP_038678](#)

GeneID:

[20201](#)

Species:

Mouse

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.1M NaCl, 1mM DTT

Description:

Recombinant mouse S100A8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MPSELEKALS NLIDVYHNYS NIQGNHHALY KNDFKKMVT
T ECPQFVQNIN IENLFRELDI NSDNAINFEE FLAMVIKGV ASHKDSHKE

Molecular weight: 12.4 kDa (109aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

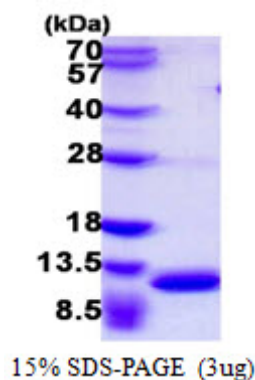
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Nacken W., et al. (2003) Biochim. Biophys. 60(6):569-80.

Pictures:



Recombinant mouse S100A8, 1-89aa, His-tagged

