

Recombinant Human S100A8 Protein (His Tag)

Catalog Number:PDEH100024



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms

60B8Ag;AI323541;B8Ag;BEE11;CAGA;Calgranulin-A;Calprotectin L1 subunit;Calprotectin;CFAG;CGLA;Chemotactic cytokine CP-10;CP-10;Cystic fibrosis antigen;L1Ag;Leukocyte L1 complex light chain;MA387;MIF;Migration inhibitory factor-related protein 8;MRP-8;Myeloid-related protein 8;Neutrophil cytosolic 7 kDa protein;NIF;p8;Pro-inflammatory S100 cytokine;Protein S100-A8;S100 calcium binding protein A8 (calgranulin A);S100 calcium binding protein A8;S100 calcium-binding protein A8;S100A8;S100A8/S100A9 complex;S10A8;Urinary stone protein band A

Species

Human

Expression Host

E.coli

Sequence

Met1-Glu93

Accession

P05109-1

Calculated Molecular Weight

10.8 kDa

Observed molecular weight

13.1 kDa

Tag

N-His

Properties

Purity

> 90 % as determined by reducing SDS-PAGE.

Endotoxin

Please contact us for more information.

Storage

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping

This product is provided as lyophilized powder which is shipped with ice packs.

Formulation

Lyophilized from sterile PBS, pH 7.4.

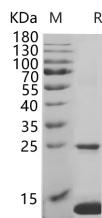
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution

Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

Background

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding

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motifs. S100 proteins are 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. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis. Multiple transcript variants encoding different isoforms have been found for this gene.

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