

RP00440

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# Recombinant Human S100-A8 Protein

Catalog No.: RP00440

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	6279	P05109

### Tags

C-His

### Synonyms

60B8AG; CAGA; CFAG; CGLA; CP-10; L1Ag; MA387; MIF; MRP8; NIF; P8; S100A8; CAGA; CFAG; CGLA; CP-10; L1Ag; MA387; MIF; MRP8; NIF; P8

## Product Information

Source	Purification
<I>E. coli</I>	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Supplied as a 0.2 μm filtered solution of 20mMHEPES, 150mMNaCl, 2.5mMEDTA, 10%Glycerol, pH7.0.

### Reconstitution

## Background

This protein is a member of the S100 family of proteins containing 2 EF-hand calcium-binding 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.

## Basic Information

### Description

Recombinant Human S100-A8 Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Met1-Glu93) of human S100A8/Protein S100-A8 (Accession #P05109) fused with a 6×His tag at the C-terminus.

### Bio-Activity

### Storage

This product is stable at ≤ -70° C for up to 1 year from the date of receipt.<br>For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze/thaw cycles.

## Contact



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