

Datasheet for ABIN7320635 **S100A8 Protein (His tag)**



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Overview

Quantity:	50 µg
Target:	S100A8
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This S100A8 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse S100A8/CAGA Protein (His Tag)
Sequence:	Met1-Glu89
Characteristics:	Recombinant Mouse S100 Calcium Binding Protein A8 is produced by our E.coli expression system and the target gene encoding Met1-Glu89 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	S100A8
Alternative Name:	S100A8/CAGA (S100A8 Products)
Background:	Background: Protein S100-A8(Mrp8) contains 2 EF-hand domains and belongs to the S-100 family. Mrp8 binds two calcium ions per molecule with an affinity similar to that of the S-100

Target Details

proteins. 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. It may function in the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis.

Synonym: Protein S100-A8,Calgranulin-A,Chemotactic cytokine CP-10,Leukocyte L1 complex light chain,Migration inhibitory factor-related protein 8,MRP-8,Pro-inflammatory S100 cytokine,S100 calcium-binding protein A8,S100a8,Caga,Mrp8,60B8Ag,Al323541,B8Ag,Caga,CFAg,CP-10,p8

Molecular Weight: 11.3 kDa

UniProt: [P27005](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Positive Regulation of Endopeptidase Activity](#), [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mMTris, pH 8.0.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: 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.