

## S100A9 Human, His

**Description:** The Recombinant Human S100A9 produced in E.coli has a molecular mass of 14.35kDa containing 123 amino acid residues of the human S100A9 and fused to a 10 a.a. His tag at N-terminus.

**Catalog #:** PRPS-158

For research use only.

**Synonyms:** Calgranulin B, 60B8AG, CAGB, CFAG, CGLB, L1AG, LIAG, MAC387, MIF, MRP14, NIF, P14, Protein S100-A9, S100 calcium-binding protein A9.

**Source:** Escherichia Coli.

**Amino Acid Sequence:** MKHHHHHHAS TCKMSQLERN IETIINTFHQ YSVKLGHPDT  
LNQGEFKELV RKDLQNFLKK ENKNEKVEIH IMEDLDTNADTCKMSQLERN IETIINTFHQ  
YSVKLGHPDT LNQGEFKELV RKDLQNFLKK ENKNEKVEIH IMEDLDTNAD KQLSFEEFIM  
LMARLTWASH EKMHEGDEGP GHHHKPGLGE GTP.

**Formulation:**

S100A9 was filtered (0.4

**Stability:**

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Applications:**

Western blotting.

**Solubility:**

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

**Introduction:**

S100A9 is part of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100A9 protein is localized in the cytoplasm and/or nucleus of a wide range of cells, and participates in the regulation of several cellular processes such as cell cycle progression and differentiation. S100 genes include no less than 13 proteins which are localized as a cluster on chromosome 1q21. S100A9 is involved in the inhibition of casein kinase and altered expression of this protein is associated with the disease cystic fibrosis.

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