# **Recombinant Human S100A8 Protein (His Tag)**

Catalog Number: PKSH033008



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

### **Description**

Synonyms Protein S100-A8;S100A8;Calgranulin-A;Cystic fibrosis antigen;Leukocyte L1

complex light chain;MRP-8;60B8AG;CAGA;CFAG;CGLA;CP-10;L1Ag;MA387;

MIF;MRP8;NIF;P8

SpeciesHumanExpression HostE.coli

SequenceMet 1-Glu93AccessionP05109Calculated Molecular Weight11.7 kDaObserved molecular weight13 kDaTagC-His

### **Properties**

**Purity** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin** < 1.0 EU per µg of the protein as determined by the LAL method.

**Storage** Store at  $< -20^{\circ}$ C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping** This product is provided as liquid. It is shipped at frozen temperature with blue

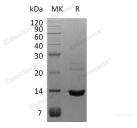
ice/gel packs. Upon receipt, store it immediately at < - 20°C.

**Formulation** Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 8% Sucrose, 150mM

NaCl, 20% Glycerol, 2mM EDTA, 0.05% Tween 80, pH8.5

**Reconstitution** Not Applicable

#### Data



> 95 % as determined by reducing SDS-PAGE.

## **Background**

Protein S100-A8 (also MRP8 and calgranulin A) is a calcium- and zinc-binding protein. It plays a prominent role in the regulation of inflammatory processes and immune response. S100A8 can induce neutrophil chemotaxis and adhesion. Its role as an oxidant scavenger has a protective role in preventing exaggerated tissue damage by scavenging oxidants. It can act as a potent amplifier of inflammation in autoimmunity as well as in cancer development and tumor spread.

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