

Recombinant Human S100A8 Protein (His Tag)

Catalog No. PKSH033008

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

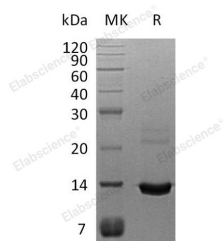
Description

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
Species	Human
Expression Host	E.coli
Sequence	Met 1-Glu93
Accession	P05109
Calculated Molecular Weight	11.7 kDa
Observed molecular weight	13 kDa
Tag	C-His
Bioactivity	Not validated for activity

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°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

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act as a potent amplifier of inflammation in autoimmunity as well as in cancer development and tumor spread.

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