

Recombinant Human S100A8 Protein (His Tag)

Catalog Number: PKSH033008

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

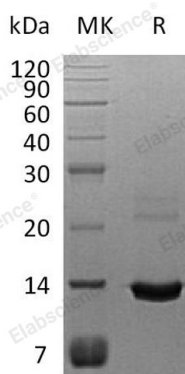
Description

| | |
|----------------------|---|
| Species | Human |
| Source | E.coli-derived Human S100A8 protein Met 1-Glu93, with an C-terminal His |
| Calculated MW | 11.7 kDa |
| Observed MW | 13 kDa |
| Accession | P05109 |
| Bio-activity | Not validated for activity |

Properties

| | |
|----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Concentration | Subject to label value. |
| 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 |

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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