

## Active Recombinant Human S100A1 protein(Gly2-Ser94), hFc-tagged

**Cat. No.** S100A1-841H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human S100A1 (NP_006262.1) (Gly 2-Ser94) was expressed in HEK293 with the N-terminal fused Fc region of Human IgG1.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gly2-Ser94
<b>Form</b>	Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to bind biotinylated Human Fc-S100B in functional Elisa.
<b>Molecular Mass</b>	The recombinant human Fc/S100A1 is a disulfide-linked homodimeric protein. The reduced monomer consists of 330 amino acids and has a predicted molecular mass of 37.1 kDa. As a result of glycosylation, the apparent molecular mass of rhFc/S100A1 monomer is approximately 40 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 95 % as determined by SDS-PAGE

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** S100A1 S100 calcium binding protein A1 [ Homo sapiens ]

**Official Symbol** S100A1

**Synonyms** S100A1; S100 calcium binding protein A1; S100 calcium binding protein A1 , S100A; protein S100-A1; S100 alpha; S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1; S100 protein, alpha polypeptide; S100; S100A; S100-alpha;


**Gene ID** 6271

**mRNA Refseq** NM\_006271

**Protein Refseq** NP\_006262

**MIM** 176940

**UniProt ID** P23297

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