

# Recombinant Human S100-A7 Protein

Catalog No.: RP01795    **Recombinant**

## Sequence Information

**Species**    **Gene ID**    **Swiss Prot**  
 Human        6278        P31151

**Tags**

C-hFc

**Synonyms**

PSOR1; S100A7c;S100-A7;S100A7

## Background

Protein S100-A7, also known as S100 calcium-binding protein A7, Psoriasin, S100A7, and PSOR1, is a secreted protein which belongs to the S-100 family. S100A7 was first isolated from skin involved by psoriasis, which can be induced in cultured squamous epithelial cells. S100A7 is expressed by both normal cultured and malignant keratinocytes and malignant breast epithelial cells within ductal carcinoma *in situ*, suggesting an association with abnormal pathways of differentiation. S100A7 plays a role in the pathogenesis of inflammatory skin disease, as a chemotactic factor for hematopoietic cells. It also plays a role in early stages of breast tumor progression in association with the development of the invasive phenotype.

## Basic Information

### Description

Recombinant Human S100-A7 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser2-Gln101) of human S100-A7 (Accession #NP\_002954.2) fused with a hFc tag at the C-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

## Product Information

**Source**    **Purification**  
 HEK293 cells    ≥ 95 % as  
                           determined by SDS-PAGE.

**Calculated MW**    **Observed MW**  
 37.30 kDa        45 kDa

**Endotoxin**  
 < 0.01 EU/μg of the protein by LAL method

**Formulation**  
 Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

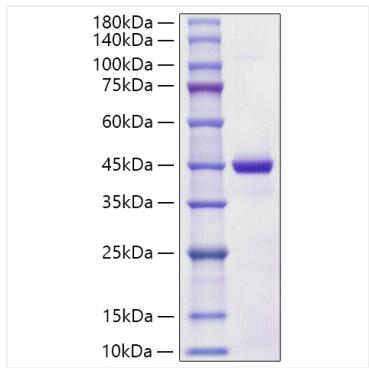
**Reconstitution**  
 Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Validation Data

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Recombinant Human S100-A7 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.