

# Human S100A7 / PSOR1 Protein



Sino Biological  
Biological Solution Specialist

Catalog Number: 11141-HNAE

## General Information

### Gene Name Synonym:

PSOR1; S100A7c

### Protein Construction:

A DNA sequence encoding the native human S100A7 (NP\_002954.2) (Met 1-Gln 101) was expressed.

**Source:** Human

**Expression Host:** E. coli

## QC Testing

**Purity:** > 98 % as determined by SDS-PAGE

### Endotoxin:

Please contact us for more information.

### Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Met

### Molecular Mass:

The recombinant human S100A7 consisting of 101 amino acids and migrates as an 11.6 kDa band in SDS-PAGE under reducing conditions as predicted.

### Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

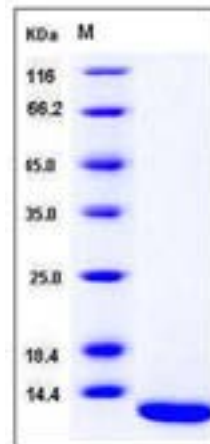
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



## Protein Description

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.

## References

- 1.Miyasaki, KT. et al., 1993, J. Dent. Res. 72: 517-23.
- 2.Watson, PH. et al., 1998, Int J Biochem Cell Biol 30 (5):567-71.
- 3.Emberley, ED. et al., 2004, Breast Cancer Res 6 (4): 153-9.

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