

Datasheet for ABIN7505349
S100A7A Protein (AA 1-108)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	S100A7A
Protein Characteristics:	AA 1-108
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Sequence:	Met1-Tyr108
Characteristics:	Recombinant Mouse S100 calcium binding protein A15A is produced by our E.coli expression system and the target gene encoding Met1-Tyr108 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	<1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	S100A7A
Alternative Name:	S100A15 (S100A7A Products)
Background:	Abbreviation: S100A15;S100A7A Target Synonym: S100 calcium-binding protein A15A;Protein S100-A15A;Protein S100-A7A;S100 calcium-binding protein A7A;S100a15a Background: Koebnerisin is also known as protein S100-A7A (S100A7A), S100 calcium-binding

Target Details

protein A7-like 1 (S100A7L1) or S100 calcium-binding protein A15 (S100A15). Human S100A7A / S100A15 is a novel member of the S100 family of EF-hand calcium-binding proteins and was recently identified in psoriasis, where it is significantly upregulated in lesional skin. 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. The association of the 11.2 kDa S100A7A / S100A15 with psoriasis suggests that it contributes to the pathogenesis of the disease and could provide a molecular target for therapy.

Molecular Weight: Calculated MW: 12.9 kDa
Observed MW: 12 kDa

UniProt: [Q6S5I3](#)

Pathways: [Activation of Innate immune Response, S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months