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## **\$100A6 Protein (AA 1-90)**





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Quantity:	100 μg
Target:	S100A6
Protein Characteristics:	AA 1-90
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

#### **Product Details**

Sequence:	AA 1-90	
Characteristics:	reristics: This protein carries no "tag". The protein has a calculated MW of 10.2 kDa. The protein migrates as 10.2 kDa under reducing (R) condition (SDS-PAGE).	
Purity:	>95 % as determined by SDS-PAGE.	
Sterility:	0.22 μm filtered	
Endotoxin Level:	n Level: Less than 1.0 EU per μg by the LAL method.	

### **Target Details**

Target:	S100A6
Alternative Name:	S100A6 (S100A6 Products)
Background:	S100 calcium binding protein A6 (S100-A6) is also kown as 2A9, 5B10, CABP, CACY and PRA, is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in

#### **Target Details**

the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. Most S100 proteins are disulfide-linked homodimer, and is normally present in cells derived from the neural crest, chondrocytes, macrophages, dendritic cells, etc. S100A6 may function in stimulation of Ca2+-dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene have been implicated in melanoma. S100A6 has been shown to interact with S100B and SUGT1.

Molecular Weight:

10.2 kDa

Pathways:

S100 Proteins

#### **Application Details**

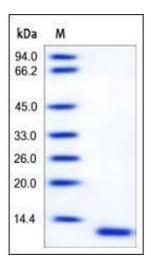
Restrictions:

For Research Use only

#### Handling

Format:	Lyophilized	
Buffer:	PBS, pH 7.4	
Handling Advice:	Please avoid repeated freeze-thaw cycles.	
Storage:	-20 °C	
Storage Comment:	Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After	

reconstitution under sterile conditions for 3 months (-70 °C).



#### **SDS-PAGE**

**Image 1.** Human S100A6, Tag Free on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.