

**S100-A6**  
**Catalog # PVGS1303****Specification**

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**S100-A6 - Product Information**

Primary Accession

[NP\\_055439.1](#)**Species**

Human

**Sequence**MHHHHHHMAC PLDQAIGLLV AIFHKYSGRE GDKHTLSKKE LKELIQKELT IGSKLQDAEI ARLMEDLDRN  
KDQEVNFQEY VTFLGALALI YNEALKG**Purity**

&gt; 95% as analyzed by SDS-PAGE.

**Endotoxin Level**

&lt; 1 EU/ µg, determined by LAL method.

Formulation

**Lyophilized after extensive dialysis against  
50mM Tris-HCl, 100mM NaCl, 0.5mM PMSF,  
1mM TCEP, pH8.0.****Reconstitution**Reconstituted in ddH<sub>2</sub>O at 200 µg/ml.**S100-A6 - Additional Information****Target Background**

**S100 calcium-binding protein A6 (S100A6)** is a small calcium binding protein with 2 EF-hand structures and belongs to the S100 family. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 proteins include at least 25 members which are located as a cluster on chromosome 1q21. S100A6 protein may function in stimulation of Ca<sup>2+</sup>-dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene have been implicated in melanoma. Recombinant **S100 calcium-binding protein A6 (S100A6)** with His tag produced in *E. coli* is a single chain containing 97 amino acids with molecular mass of 11.1 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at .

**S100-A6 - Protein Information****S100-A6 - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**S100-A6 - Images**