

S100-A6
Catalog # PVGS1303**Specification**

S100-A6 - Product Information

Primary Accession [NP_055439.1](#)
Species
Human

Sequence
MHHHHHHMAC PLDQAIGLLV AIFHKYSGRE GDKHTLSKKE LKELIQKELT IGSKLQDAEI ARLMEDLDRN
KDQEVNFQEY VTFLGALALI YNEALKG

Purity
> 95% as analyzed by SDS-PAGE.

Endotoxin Level
< 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 ddH₂O 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 Ca²⁺-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 <i>E. coli</i> 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