

Protein S100-A4
Catalog # PVGS1279**Specification**

Protein S100-A4 - Product InformationPrimary Accession [NP_002952.1](#)**Species**
Human**Sequence**MACPLEKALD VMVSTFHKYS GKEGDKFKLN KSELKELLTR ELPSFLGKRT DEAAFQKLMS NLDSNRDNEV
DFQEYCVFLS CIAMMCNEFF EGFPDKQPRK K**Purity**

> 90% as analyzed by SDS-PAGE.

Endotoxin Level

< 1 EU/ µg, determined by LAL method.

Formulation**Lyophilized after extensive dialysis against
20 mM Tris-HCl, 100 mM NaCl , pH8.0.****Reconstitution**Reconstituted in ddH₂O at 200 µg/ml.**Protein S100-A4 - Additional Information****Target Background**

S100 calcium-binding protein A4 (S100A4) is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100A4 promotes metastasis in several experimental animal models, and S100A4 protein expression is associated with differential patient outcome in a number of tumor types. S100A4 is localized in the nucleus, cytoplasm, and extracellular space and possesses a wide range of biological functions such as regulation of angiogenesis, cell survival, motility, and invasion. Recombinant **S100 calcium-binding protein A4 (S100A4)** produced in *E. coli* is a single chain containing 101 amino acids with molecular mass of 11.7 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at .

Protein S100-A4 - Protein Information**Protein S100-A4 - 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](#)

Protein S100-A4 - Images