

## Core Streptavidin

**Cat. No.** Streptavidin-2939S    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Streptomyces avidinii was first isolated from the broth culture of Streptomyces avidinii as a biotin binding protein. Similar to Avidin, streptavidin consists of four identical subunits in a tetramer, each of which can bind biotin, that is, one molecule of streptavidin can bind four molecules of biotin, and the binding force is very high (Kd~10<sup>-15</sup>). Compared with avidin, streptavidin has a low isoelectric point and does not contain a sugar group, so its non-specific binding is much lower than that of avidin when used in antigen-antibody detection systems.

**Species**      Streptomyces avidinii

**Source**      E.coli

**Tag**      Non

**Bio-activity**      ≥16.0U/mg (1U is bound to 1µg biotin)

**Molecular Mass**      53.6kDa(13.4kDa/ subunit)

**Purity**      ≥95%(SDS-PAGE)

**Storage**      Freeze-dried powder -20±5°C, after dissolution to avoid repeated freeze-thaw.

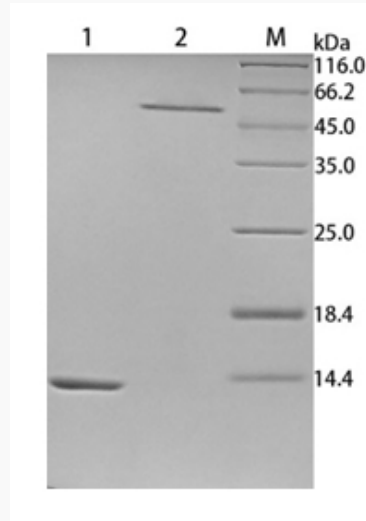
**Reconstitution**      Dissolved in distilled water ≥10mg/mL.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**SDS-PAGE**



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