

## Recombinant Streptomyces avidinii Streptavidin(Cys)

**Cat. No.** Streptavidin-2940S    **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~10-15). 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**  $\geq 16.0$ U/mg (1U is bound to 1 $\mu$ g biotin)

**Molecular Mass** 54kDa(13.5kDa/ subunit)

**Purity**  $\geq 95\%$ (SDS-PAGE)

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

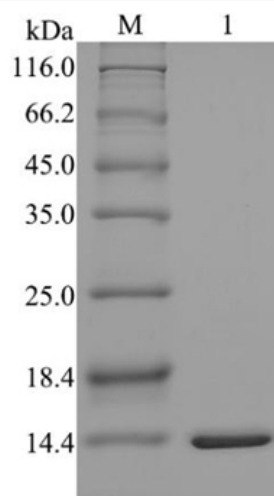
**Reconstitution** Dissolved in distilled water  $\geq 10$ mg/mL.

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SDS-PAGE



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