

Streptavidin

Purified

Avidin - Biotin

Product Information

Product No.: S203

Storage: -20°C

Product Description

Background:

Streptavidin is a biotin binding protein present in the fermentation broth of the bacterium *Streptomyces avidinii*. Each molecule of streptavidin can bind four molecules of biotin with a high affinity constant ($K_d \sim 10^{-15}$). Unlike native avidin, streptavidin is not glycosylated and has a near neutral isoelectric point (pI ~ 5-6) vs a pI of 10 for native avidin.

Format:

Purified

Formulation

Streptavidin is lyophilized under slight alkaline conditions from deionized water. The final lyophilized protein contains approximately 10% NaCl.

Purity

SDS-PAGE - Predominant Single Band

Storage and Stability

The lyophilized streptavidin is stable for at least one year when stored desiccated at -20°C. It is recommended to only reconstitute the amount required for use. However, any unused reconstituted streptavidin should be aliquoted in working volumes without diluting and stored at -20°C **in a manual defrost freezer**.

Avoid Repeated Freeze Thaw Cycles.

Country of Origin

USA