



Product Datasheet

Product Name	Streptavidin
Cata No	CB500904
Source	Bacterium Streptomyces avidinii

Description

Streptavidin is a tetrameric protein composed of identical subunits. Each subunit binds one biotin molecule with a KD of $\sim 1 \times 10^{-15}$ M. The preparation contains an N- and C-terminal shortened variant (core streptavidin) with improved properties concerning homogeneity, solubility, resistance towards proteolytic degradation and accessibility of the biotin binding pocket as compared to native streptavidin. Streptavidin has a molecular weight of 53 kDa.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Specific Activity

Greater than 17.2 U/mg, 1 unit binds 1 μ g biotin.

Storage

Streptavidin although stable at 4°C for 3 weeks, should be stored desiccated below -18°C.

For longer storage in dissolved form add 1mM EDTA and/or 0.02 % NaN₃ or pass the solution through a sterile filter.

Please prevent freeze-thaw cycles.

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