

**SPECIFICATION SHEET**

Product Name: Streptavidin **Catalog #:** L1101602

Description: Recombinant Streptavidin from (Streptomyces avidinii), Avidin
Streptavidin is a 53 kDa protein which originally purified from the bacterium Streptomyces avidinii. Streptavidin homo-tetramers have an extraordinarily high affinity for biotin. With a dissociation constant (Kd) on the order of $\approx 10^{-14}$ mol/L, the binding of biotin to streptavidin is one of the strongest non-covalent interactions known in nature. Streptavidin is used extensively in molecular biology and bionanotechnology due to the streptavidin-biotin complex's resistance to organic solvents, denaturants (e.g. guanidinium chloride), detergents (e.g. SDS, Triton), proteolytic enzymes, and extremes of temperature and pH.

Source: E.coli,

Format: liquid

Purification: >90% pure (SDS-PAGE).

Concentration: 5 mg/ml **Lot :** L170801

Buffer: PBS PH7.4

Storage& Shelf life: Store at -20°C for 3 years. Avoid multiple freeze/thaw cycles.

FOR RESEARCH USE ONLY