

SPECIFICATION SHEET**Product Name:** Streptavidin **Catalog #:** L1I01602**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**