

## Core Streptavidin

CATALOG NO. :                7936-1                1 mg  
                                      7936-5                5 mg  
                                      7936-10                10 mg

SOURCE:                      E. coli

MOL. WEIGHT:                ~ 53 kDa

FORM:                          Lyophilized powder, essential salt free

SOLUBILITY:                  ≥ 10 mg/ml in water  
                                      ≥ 50 mg/ml in neutral or alkaline buffer

BINDING ACTIVITY:            ≥ 17 based on Biotin Binding Assay (HABA)

**STORAGE CONDITIONS:** Store at 4°C with desiccant. Centrifuge vial prior to opening. After reconstitution, aliquot are stable at -20°C for up to 6 months. Avoid repeated freezing and thawing cycles.

**DESCRIPTION:** Streptavidin is a non-glycosylated protein originally isolated from bacterium *Streptomyces avidinii*. With a very high affinity for biotin, it is widely used to bridge biotinylated probes and enzymes.

### APPLICATIONS:

- Immunoassays
- Histochemistry
- FISH (Fluorescence In Situ Hybridization)
- Flow Cytometry
- Microarrays
- Blot analysis
- Isolated Biotinylated Molecules
- DNA Hybridization Techniques
- MHC Tetramer Technology

### RELATED PRODUCTS:

- Streptavidin coated 96-well Plate (Cat No. 6523-5)
- Streptavidin-Sepharose Beads (Cat No. 6565-2, 5, 10)
- D-(+)-Biotin (Cat No. 9587-5G, 10G)
- Biotin Quantitation Kit (Colorimetric) (Cat No. K811-100)

**FOR RESEARCH USE ONLY! Not to be used in humans.**