

## Streptavidin

### Basic information:

<b>Catalog No.:</b>	UDP9094-9	<b>Species:</b>	S.avidinii
<b>Expression Host:</b>	Native	<b>Type:</b>	Full length protein

### Useful Information:

#### Purity:

> 90 % as determined by SDS-PAGE

#### Formulation:

Liquidin PBS pH7.4, containing 10% glycerin and 0.05% Proclin 300.

#### Biological Activity

N/A

#### Endotoxin:

N/A

#### Storage:

Proteins are provided as frozen liquid which are shipped with dry ice. Bulk packages can be provided as lyophilized powder which shipped with blue ice.

#### Reconstitution:

According to the application.

#### Description:

Streptavidin (SA) is purified from the bacterium *Streptomyces avidinii*. It has an extraordinarily high affinity for biotin and is used extensively in molecular biology and bionanotechnology as a high-affinity biotin-binding agent which is also resistant to extreme pH, temperature, organic solvents, denaturants, detergents, and proteolytic enzymes. Streptavidin beads were applied to display immobilized biotinylated antibodies to detect the existence of certain antigen. Generally, streptavidin beads preparation required protein production, purification, and chemical cross-linking processes.

#### Note:

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