



Synonym

Streptavidin,SA

Source

Streptavidin Protein-Europium chelate(STN-NE113) is expressed from E. coli cells. It contains AA Ala 37 - Ser 163 (Accession # [P22629-1](#)).

Predicted N-terminus: Met

Molecular Characterization

**Streptavidin(Ala 37 - Ser 163)
P22629-1**

This protein carries no "tag".

The protein has a calculated MW of 13.8 kDa.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Formulation

Lyophilized from 0.22 µm filtered solution in 200 mM PBS, 150 mM NaCl, pH5.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

Background

Streptavidin is a 66KDa tetrameric protein purified from the bacterium *Streptomyces avidinii*, and exhibits high binding affinity to biotin. Each unit can bind one biotin. Horseradish peroxidase is metalloenzyme, a 44KDa glycoprotein. When incubate with substrates, it produces a coloured, fluorimetric, or luminescent derivatives, which can be detected and quantified. HRP conjugated Streptavidin is widely used for the detection and quantification of biotinylated proteins.

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