

Recombinant Streptavidin

Certificate of Analysis and Data Sheet

➤ Source: E.Coli	➤ Catalog No. PRO-338
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➤ **Background:**

A 60kD extracellular protein of *Streptomyces avidinii* with four high-affinity biotin binding sites. Unlike AVIDIN, streptavidin has a near neutral isoelectric point and is free of carbohydrate side chains.

➤ **Description :**

Recombinant Streptavidin-NC produced in E.Coli is a single, non-glycosylated, polypeptide chain having a molecular mass of 24kDa. Recombinant Streptavidin-NC not only binds to nitrocellulose membrane readily but also preserves the full biotin binding ability. Recombinant Strptavidin is purified by proprietary chromatographic techniques.

➤ **Physical Appearance:**

Sterile filtered liquid formulation.

➤ **Formulation:**

0.5 mg/ml glycerol.

➤ **Stability:**

Recombinant Streptavidin although stable at 4° C for 21 days, should be stored desiccated below -20° C for long term periods.

Please avoid freeze-thaw cycles.

➤ **Purity:**

Greater than 90.0% as determined by:

(a) Analysis by RP-HPLC.

(b) Anion-exchange FPLC.

(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

➤ **Dimers and aggregates:**

Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

➤ **Endotoxin:**

Less than 0.1 ng/μg (IEU/μg) of Recombinant Streptavidin.

➤ **Applications:**

Calibrators and controls for immunoassays and western blot standards

➤ **Usage:**

This material is offered for research, laboratory or further evaluation purposes.