



Recombinant Streptavidin

Product Name: Recombinant Streptavidin (r-SA)

Catalog Number: NRPA05S

Packing Details: 1 mg, 10 mg, 100 mg, 500 mg

Formulation: Lyophilized from 5mM PB(0.5mM Na₂HPO₄, 4.5mM NaH₂PO₄, pH~6.0)

Mol. Wt.: 16.5 kDa

Resources: Escherichia coli (E. coli)

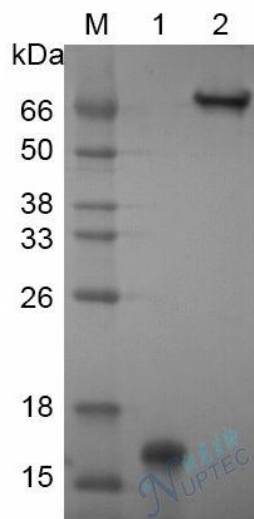
Purity: ≥95% by SDS-PAGE analysis

Activity: ≥13 U/mg protein (Determined by NUPTEC according to modified Green Method)

Storage Condition: -20 °C

Storage Duration: 3 years

Description: Streptavidin is a homotetrameric protein found in the culture broth of *Streptomyces avidinii*. Similar to avidin, one mole of streptavidin can bind 4 moles of biotin with a high affinity virtually unmatched in nature. Streptavidin lacks carbohydrate side chains present on avidin and has an isoelectric point close to neutrality. Therefore it has a reducing nonspecific binding level as compared to avidin. Streptavidin has been extensively applied in various biological fields, such as ELISA, IHC, TRFIA, quantifying PCR, isolation of single-stranded nucleotide, purification of biomolecule, and monoclonal antibody production as well.



M: Protein Molecular Weight Marker

Lane 1: Recombinant Streptavidin subunit

Lane 2: Recombinant Streptavidin homotetramer

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