

Streptavidin

Cat. No.: Z02043

Product Introduction

Purity	This product is affinity purified by 2- IminoBiotin Resin with the purity more than 95% and shows predominantly a single band by SDS-PAGE.
Biological Activity	>15 U/mg protein, 1 U is defined as the quantity of protein that binds 1 microgramme
Expression System	E. coli
Molecular Weight	13,500 Da
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Add 5 ml of distilled water to make the final concentration of 1 mg/ml
Storage & Stability	The powder may be stored at 4°C for several weeks. For long-term storage, store at -20°C.

Background

Target Background : Streptavidin is a biotin-binding protein found in the culture broth of the bacterium *Streptomyces avidinii*. Streptavidin can bind to four moles of biotin per mole of protein, and it shows extremely high affinity, approximately 10,000-15,000 Da. Streptavidin lacks the carbohydrate side chains present on avidin and has an isoelectric point of 6.5 to avidin's 10 far closer to that at which most useful biological interactions occur. As a result, Streptavidin frequently exhibits much lower non-specific binding than avidin does.

Synonyms : Streptavidin

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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