

Datasheet for ABIN5853015  
**Streptavidin Protein (AA 37-159) (His tag)**



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1 Image

## Overview

Quantity:	100 µg
Target:	Streptavidin
Protein Characteristics:	AA 37-159
Origin:	Streptomyces
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Streptavidin protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSHEMAEAGI TGTWYNQLGS TFIVTAGADG ALTGTYESAV GNAESRYVLT GRYDSAPATD GSGTALGWTV AWKNNYRNAH SATTWSGQYV GGAEARINTQ WLLTSGTTEA NAWKSTLVGH DTFTKVKP
Purity:	> 90 % by SDS - PAGE

## Target Details

Target:	Streptavidin
Abstract:	<a href="#">Streptavidin Products</a>
Background:	Streptavidin, a tetrameric protein secreted by <i>Streptomyces avidinii</i> , binds tightly to a small growth factor biotin. It finds wide use in molecular biology through its extraordinarily strong affinity for the vitamin biotin, the dissociation constant (K <sub>d</sub> ) of the biotin-streptavidin complex is

## Target Details

on the order of ~10-15 Mol/L. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits. Recombinant Streptomyces streptavidin protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight: 15.6kDa (148aa), confirmed by MALDI-TOF

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

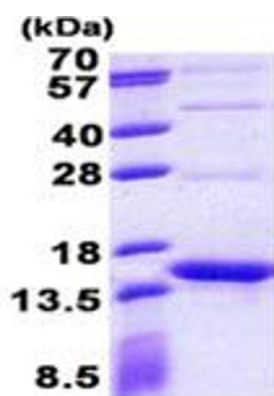
Concentration: 0.25 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer ( pH 8.0) containing 0.15M NaCl, 20 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

## Images



15% SDS-PAGE (3ug)

### SDS-PAGE

Image 1.