

Recombinant Streptomyces avidinii Protein, His tagged

Cat. No. Streptavidin-041S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Streptomyces avidinii Streptavidin protein (P22629) (Gly 38-Ser 163) with a His tag at the C-terminus was expressed in E. coli.
Species	Streptomyces avidinii
Source	E.coli
ProteinLength	38-163aa
Description	Streptavidin is a tetrameric protein purified from the bacterium Streptomyces avidinii, and exhibits high binding affinity for biotin. Able to bind one molecule of biotin with each subunit. Streptavidin (PI=6.0-7.5) has lower level of non-specific binding to various biological components at physiological pH than avidin (PI=7.4), resulting from its isoelectric point (PI). Streptavidin is useful in affinity chromatography, ELISA, immunohistochemistry and Western Blotting.
Tag	C-His
Molecular Mass	14.9 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve

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months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution

Reconstitute at 250 µg/mL in sterile water.

GENE INFORMATION

Official Symbol

SA

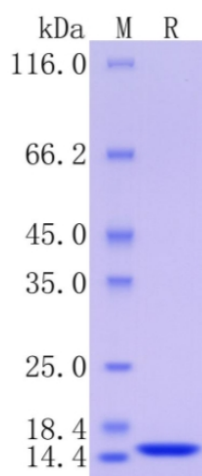
Synonyms

Streptavidin

UniProt ID

[P22629](#)

Protein on SDS-PAGE under reducing (R) condition.



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