

Streptomyces Avidinii Streptavidin Protein

Cat. No.:	HY-P77850
Synonyms:	SA
Species:	Others
Source:	E. coli
Accession:	P22629 (A36-S163)
Gene ID:	/
Molecular Weight:	Approximately 14.3 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The Streptomyces Avidinii Streptavidin protein, while the precise biological function remains elusive, exhibits a distinct capability to form a robust non-covalent specific complex with biotin, involving one molecule of biotin per subunit of streptavidin. This interaction highlights the protein's exceptional affinity for biotin, suggesting potential applications in various molecular and cellular processes where specific binding to biotinylated molecules is required. Structurally, streptavidin forms a homotetramer, further emphasizing its quaternary arrangement and potential functional relevance within this oligomeric configuration.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA