

Streptomyces Avidinii Streptavidin Protein

Cat. No. STP-HE001

Description	
Source	Recombinant Streptomyces Avidinii Streptavidin Protein is expressed from E.coli without tag. It contains Ala36-Ser163.
Accession	P22629
Molecular Weight	The protein has a predicted MW of 14.3 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Streptavidin is purified from the bacterium Streptomyces. It has an extraordinarily high affinity for biotin and is used extensively in molecular biology and bionanotechnology as a high-affinity biotin-binding agent which is also resistant to extreme pH, temperature, organic solvents, denaturants, detergents, and proteolytic enzymes.

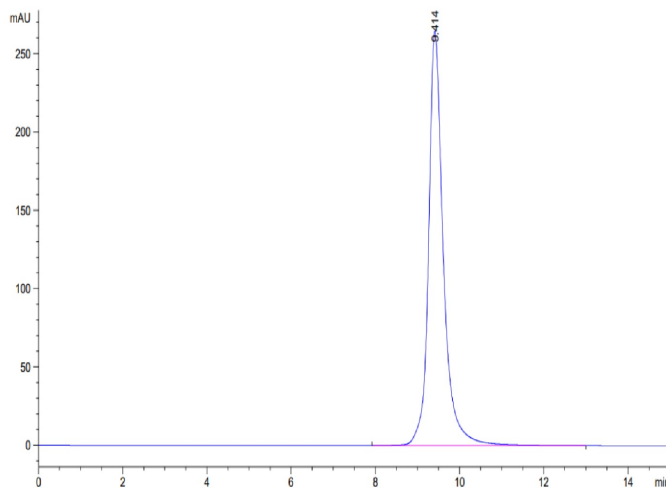
Assay Data

Bis-Tris PAGE



Recombinant Streptomyces Avidinii Streptavidin on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Streptomyces Avidinii Streptavidin is greater than 95% as determined by SEC-HPLC.