Recombinant Streptomyces avidinii SA Protein

Cat. No. SA-05S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant tag-free Streptavidin (aa 25-183) from Streptomyces avidinii was expressed in E. coli.
Species	Streptomyces Avidinii
Source	E.coli
ProteinLength	25-183
Description	Streptavidin (SA) is a tetrameric protein originating from the bacterium Streptomyces avidinii. Each subunit of the streptavidin tetramer can associate with one biotin small vitamin molecule. Although the SA-biotin interaction is non-covalent, it has an extremely high affinity (Kd ~10-14 M). The SA-Biotin complex is highly thermostable and resistant to extreme pH, denaturing reagents, and enzyme degradation. By targeting biotin to biomolecules this interaction with SA can be exploited in a number of biochemical assays.
Stability	One year at -70 centigrade from dare of shipment.
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.28 μg/μL

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Storage Buffer	50 mM Na2HPO4 pH7.5, 300 mM NaCl, 10% glycerol, and 1 mM DTT.
Shipping	Dry Ice

GENE INFORMATION

Official Symbol	SA
Synonyms	SA; streptavidin

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