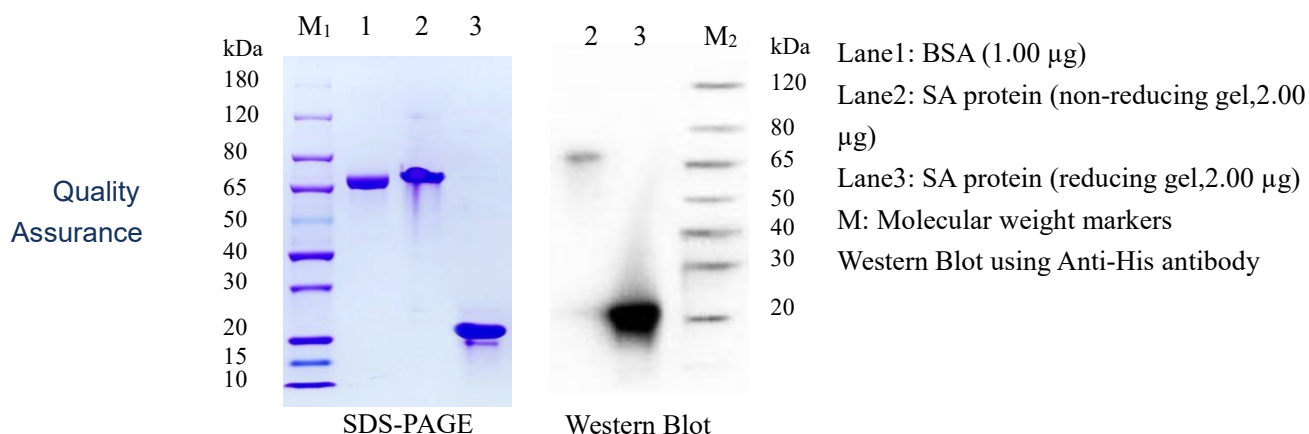


Recombinant Streptavidin

Cat.No: DTD08

DESCRIPTION

Name	Recombinant Streptavidin, r-SA
Describe	C-end fusion of His tag, expressed in <i>E. coli</i>
Purity	>90% as judged by SDS-PAGE analysis
molecular weight	65 kDa
specific activity	> 14U/mg
Formulation	SA was lyophilized after extensive dialysis against 20mM HEPES, 150mM NaCl, pH7.2.
Solubility	Recommend to reconstitute the lyophilized SA in sterilized water (< 4.00 mg/ml).
Applications	Conjugated enzymes, fluorescein, colloidal gold and other active substances can also be coupled to solid-phase carriers such as magnetic beads, microspheres, and microplates.
Storage and Handling	For long term use, aliquot and store at -80°C after reconstitution (avoiding frequent freeze-thaws).
Background	Streptavidin (SA) is a tetramer protein secreted by <i>Streptomyces</i> during cultivation, with a molecular weight of approximately 65kDa. Streptomycin has similar biological characteristics to avidin, with each subunit possessing a site capable of tightly binding to biotin. It can form stable non covalent specific complexes with the imidazole copper ring of biotin. Streptomycin is often coupled with other active substances such as enzymes, fluorescein, colloidal gold, etc. It can also be coupled with solid-phase carriers such as magnetic beads, microspheres, and microplates to participate in signal amplification in immunology. It is widely used in ELISA, IHC, immunochromatography, protein purification, luminescence diagnosis, biosensors, and the production of biochips.



感谢您选择德泰生物, 我们竭诚为您服务!

For Research Use Only