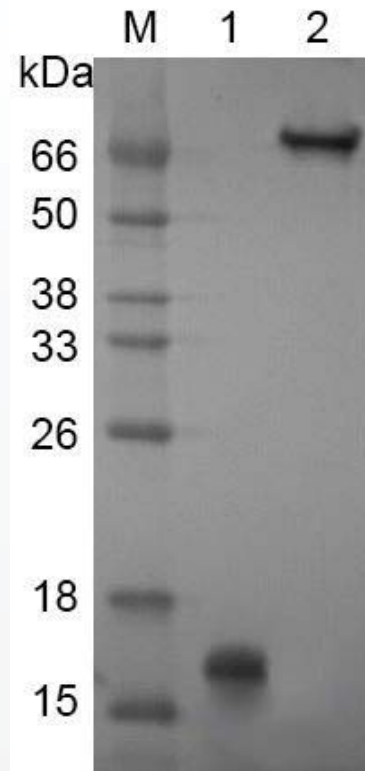


Recombinant Streptavidin(r-SA)

Catalog No.	■	LT12009
Packing Details	■	10 mg
Physical Appearance	■	Freeze-dried powder
Mol. Wt.	■	16.5 kDa
Resources	■	Escherichia coli (E. coli)
Purity	■	≥95
Activity	■	≥12 U/mg protein (Determined by modified Green Method)
Storage	■	-20°C
Shelf Life	■	3 years



M: Protein Molecular Weight Marker

Lane 1: Recombinant Streptavidin subunit

Lane 2: Recombinant Streptavidin homotetramer

Description

Streptavidin is a homotetrameric protein with a molecular weight of 55 kDa. It is found in the culture broth of *Streptomyces avidinii*. Like avidin, one mole of streptavidin can bind 4 moles of biotin with an affinity virtually unmatched in nature. Streptavidin lacks the carbohydrate side chains present in avidin and has an isoelectric point close to neutrality. For this reason, it undergoes less nonspecific binding than avidin. Streptavidin has been extensively applied in various biological applications, such as ELISA, IHC, TRFIA, quantitative PCR, isolation of single-stranded nucleotides, purification of biomolecules, and monoclonal antibody production. lonal antibody production as well.

Notes

It is recommended that the product is reconstituted with sterile water into a final concentration of 1 mg/ml. Store the reconstituted product in aliquots at -20°C. Avoid multiple freeze-thaw cycles and exposure to frequent changes in temperature.

The use of strong acids and bases, strong oxidants, and high concentrations of organic solvents should be avoided to prevent denaturation.

For research use only!