Recombinant Streptomyces Avidinii Streptavidin, His-tagged

Cat. No. Streptavidin-390S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant His tagged streptavidin was expressed in E.coli and purified by using conventional chromatography techniques,17 kDa (167 aa).
Species	Streptomyces avidinii
Source	E.coli
Description	Streptavidin, a tetrameric protein secreted by Streptomyces avidinii, binds tightly to a small growth factor biotin. It finds wide use in molecular biology through its extraordinarily strong affinity for the vitamin biotin; the dissociation constant (Kd) of the biotin-streptavidin complex is on the order of ~10-15 mol/L. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits.
Sequences of amino acids	MVHHHHHHDP SKDSKAQVSA AEAGITGTWY NQLGSTFIVT AGADGALTGT YESAVGNAES RYVLTGRYDS APATDGSGTA LGWTVAWKNN YRNAHSATTW SGQYVGGAEA RINTQWLLTS GTTEANAWKS TLVGHDTFTK VKPSAASIDA AKKAGVNNGN PLDAVQQ
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 7.5)
Purity	> 95% by SDS - PAGE
Concentration	1 mg/ml (determined by Bradford assay)

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Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	
Synonyms	
Gene ID	
mRNA Refseq	
Protein Refseq	
MIM	
UniProt ID	
Chromosome Location	
Pathway	
Function	

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