

His-Streptavidin Recombinant Protein

His-Streptavidin, 25-183aa, Streptomyces avidinii, His tag, E Coli

CATALOG # AAA11753	HOST E Coli	APPLICATIONS SDS-Page
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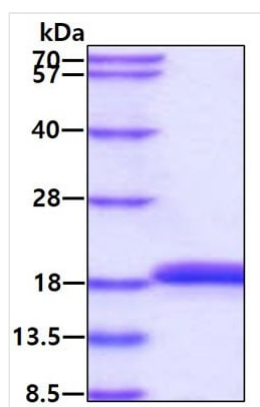
PRODUCT SYNONYMS

His-Streptavidin; 25-183aa; Streptomyces avidinii; His tag; E Coli; Streptavidin; Streptomyces avidinii streptavidin; SA V1; SA V2; Streptavidin V1; Streptavidin V2.; His-Streptavidin recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 20mM Tris-HCl buffer (pH 7.5)
Concentration	1 mg/ml (determined by BCA assay) (varies by lot)
Sequence	MVHHHHHDP SKDSKAQVSA AEAGITGTWY NQLGSTFIVT AGADGALTGT YESAVGNAES RYVLTGRYDS APATDGSGTA LGWTVAWKNN YRNAHSATTW SGQYVGGAEA RINTQWLLTS GTTEANAWKS TLVGHDFTFK VKPSAASIDA AKKAGVNNGN PLDAVQQ
Applicable Applications for His-Streptavidin recombinant protein	SDS-PAGE
Tag	His-Tag
Domain	25-183aa
Preparation and Storage	Can be stored at 2 degrees C to 8 degrees C for 1 week. For long term storage, aliquot and store at -20 degrees C to -80 degrees C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for His-Streptavidin recombinant protein	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 laboratory kits. Recombinant His tagged streptavidin was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for His-Streptavidin recombinant protein	Fusion Tag & Detection
References	Howarth M., et al. (2006) Nat Methods. 3 (4):267-73.; Holmberg A., et al (2005). Electrophoresis. 26 (3):501-10.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	46741
UniProt Accession #	P22629
Molecular Weight	17.5 kDa (167 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	unnamed protein product
UniProt Protein Name	Streptavidin

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/his-streptavidin-recombinant-protein-e-coli-sds-page/11753>