

AR50964PU-N

Streptavidin (37-159, His-tag) - Purified

Alternate names:

StAv

Quantity:

0.5 mg

Concentration:

0.25 mg/ml (determined by BCA assay)

Background:

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)

Uniprot ID:

[P22629](#)

NCBI:

[CAA27265](#)

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol

Description:

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMAEAGI TGTWYNQLGS TFIVTAGADG ALTGTYESAV
GNAESRYVLT GRYDSAPATD GSGTALGWTV AWKNNYRNAH SATTWSGQYV GGAEARINTQ
WLLTSGTTEA NAWKSTLVGH DTFTKVKP

Molecular weight: 15.6 kDa (148aa), confirmed by MALDI-TOF

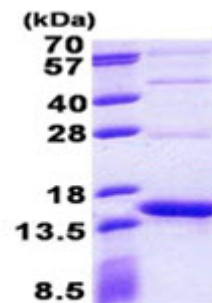
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Alon R., et al. (1990) *Biochem. Biophys. Res. Commun.* 170:1236-1241 Freitag S., et al. (1997) *Protein Sci.* 6:1157-1166

Pictures:



15% SDS-PAGE (3µg)