

Streptavidin

Cat# P0003

Storage at -20°C or -80°C

INFORMATION

Product Name	Streptavidin
Product Type	Recombinant Protein
Cat NO.	P0003
Size	1mg, 5mg
Source	<i>E. coli</i>
Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Storage Buffer	Lyophilized in 10mM potassium phosphate buffer pH6.5.
Purity	>98% by SDS-PAGE and HPLC analyses
Sequence	MAEAGITGTW YNQLGSTFIV TAGADGALTG TYESAVGNAE SRYVLTGRYD SAPATDGSGT ALGWTVAWKN NYRNAHSATT WSGQYVGGAE ARINTQWLLT SGTTEANAWK STLVGHDTFT KVKPSAAS
Notes	Streptavidin is a tetrameric protein composed of identical subunits. Each subunit binds one biotin molecule with a KD of $\sim 1 \times 10^{-15}$ M. The preparation contains an N- and C-terminal shortened variant (core streptavidin) with improved properties concerning homogeneity, solubility, resistance towards proteolytic degradation and accessibility of the biotin binding pocket as compared to native streptavidin.
Endotoxin	Less than 0.1EU/ μ g determined by LAL method.

PRODUCT USE LIMITATION

These products are intended for research use only.