

Recombinant Streptavidin

#R00028

Size: 1 mg/25 mg/100 mg

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.

- 1 month, 2 to 8 °C under sterile conditions after reconstitution.

- 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

AA Sequence

MAEAGITGTWYNQLGSTFIVTAGADGALTGTYESAVG
NAESRYVLTGRYDSAPATDGS GTALGWTVAWKNNYR
NAHSATTWSGQYVGGAEARINTQWLLTSGTTEANA
WKSTLVGHDTFTKVKPSAAS

Reconstitution

Dissolve with double distilled water

Product Specification

Accession	P22629
Source	Escherichia coli.
Molecular Weight	~52,000 per tetramer.
A282 of 0.1% solution	3.1
Purity	> 98 % by SDS-PAGE and HPLC analyses
Specific Activity	> 17 U/mg (one unit binds 1 µg D-biotin)
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	Lyophilized in 10 mM potassium phosphate buffer pH 6.5.
Endotoxin	Less than 0.1 EU/µg of rStreptavidin as determined by LAL method.
Proteolytic	< 10-3 U/mg protein (Azocoll,

Activity	25 °C, 24 h, pH 8.0)
Solubility	Clearly soluble in ddH ₂ O (OD _{405nm} < 0.1 at 10 mg/ml water)
Shipping	At ambient temperature