

# Recombinant Monomeric SA Protein (His tag)

Catalog Number:PDEO100010



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

<b>Synonyms</b>	mSA;Monomeric SA
<b>Species</b>	Rhizavidin
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Ala 17-Lys 130
<b>Accession</b>	6ZYT_AAA
<b>Calculated Molecular Weight</b>	12.5 kDa
<b>Observed molecular weight</b>	13-15 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	Please contact us for more information.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the print
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Background

Forms a non-covalent specific complex with biotin. Monomeric streptavidin has unique structural and functional properties that can lead to development of new applications based on the well-known protein-ligand interaction. For example, it allows detection of biotinylated ligands while avoiding target aggregation caused by multivalent binding. Since clustering of biologically active molecules often results in functional changes, monomeric streptavidin can facilitate imaging and tracking studies in live cells by ensuring monovalent biotin binding.

## For Research Use Only

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