Recombinant Monomeric SA Protein (His Tag)

Catalog Number: PDEO100027

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

Description

Species	Rhizavidin
Source	E.coli-derived Rhizavidin SA protein Ala17-Lys130, with an N-terminal His
Calculated MW	12.5 kDa
Observed MW	13-15 kDa
Accession	6ZYT_AAA
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

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.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web:www.elabscience.com
Email:techsupport@elabscience.com