



# Recombinant *S. avidinii* Streptavidin-Luciferase Fusion Protein (DAG2743)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Escherichia coli derived. Streptomyces avidinii streptavidin (protein accession #. CAA00084, Asp2-Gln160) fused with a C-terminal Renilla reniformis luciferase. Containing an N-terminal 6x histidine tag.
<b>Species</b>	<i>S. avidinii</i>
<b>Purity</b>	> 95%, determined by SDS-PAGE under reducing conditions and visualized by Commassie blue staining (see the image below).
<b>Conjugate</b>	His
<b>Applications</b>	ELISA; Western blotting; Streptavidin affinity; Bioluminescent activity
<b>Format</b>	Liquid, clear solution. Supplied as a 0.2 µm filtered solution in PBS (pH 7.4).
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	Streptavidin is a tetrameric protein purified from <i>Streptomyces</i> sp. that binds very tightly to the vitamin biotin with a $K_d$ of ~ 10-14 mol/l. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits.
<b>Keywords</b>	Streptavidin; SA V1; SA V2; Streptavidin V1; Streptavidin V2; Luciferase; ec 1.13.12.7; Firefly;

