

## Streptavidin Active Protein

Recombinant Streptavidin

CATALOG #  
AAA10864HOST  
Escherichia Coli

### PRODUCT SYNONYMS

Streptavidin; Recombinant Streptavidin; Streptavidin Recombinant; Streptavidin active protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Escherichia Coli                                                                                                                                                                                       |
| Purity/Purification     | Greater than 98.0% as determined by SDS-PAGE and RP-HPLC.                                                                                                                                              |
| Form/Format             | Lyophilized in 10mM potassium phosphate buffer pH 6.5                                                                                                                                                  |
| Sequence                | MAEAGITGTW YNQLGSTFIV TAGADGALTG TYESAVGNAE SRYVLTGRYD SAPATDGSGT ALGWTVAWKN<br>NYRNAHSATT WSGQYVGGA E ARINTQWLLT SGTTEANAWK STLVGHDFT KVKPSAAS                                                        |
| Sequence Length         | 183                                                                                                                                                                                                    |
| Physical Appearance     | Sterile Filtered White lyophilized (freeze-dried) powder                                                                                                                                               |
| Specific Activity       | > 17U/mg (one unit binds 1 ug D-biotin)                                                                                                                                                                |
| Proteolytic Activity    | <10 <sup>-3</sup> U/mg protein (Azocoll, 25°C, 24h, pH 8.0)                                                                                                                                            |
| Solubility              | It is recommended to reconstitute the lyophilized Streptavidin in sterile 18M <sup>2</sup> -cm H <sub>2</sub> O not less than 0.5 mg/ml, which can then be further diluted to other aqueous solutions. |
| Preparation and Storage | Streptavidin is shipped at ambient tempeture , upon arrival store at -20°C.                                                                                                                            |

### ADDITIONAL INFORMATION

|                                                             |                                                                                                                              |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Streptavidin active protein | Streptavidin Streptomyces Avidinii Recombinant produced in E Coli. The molecular weight per tetramer is approximately 52kDa. |
| Product Categories/Family for Streptavidin active protein   | <a href="#">Recombinant &amp; Natural Proteins</a> ; <a href="#">Recombinant Proteins</a> ; <a href="#">Streptavidin</a>     |

### NCBI AND UNIPROT INFORMATION

|                         |              |
|-------------------------|--------------|
| NCBI GI #               | 134951       |
| UniProt Accession #     | P22629       |
| NCBI Official Full Name | Streptavidin |
| UniProt Protein Name    | Streptavidin |
| UniProt Entry Name      | SAV_STRAV    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.