

**Lytic Solutions, LLC**

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# Certificate of Analysis

# Recombinant Protein G

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| Product Number: LS1563-rPGLot Number:019-008-1B Date of manufacture: Dec 5, 2013 |  |
|  |  |

 |  | Product No: Lot No:Date of Manufacture: |

**Quality Control:**

## rProtein G has been functionally tested and has met the following specifications:

**Purity:** > 95% by Coomassie PAGE.

**Molecular Weight:** 23.2 kDa (LS1563) by mass spectrometry, apparent running mass is approximately 33kDa.

**rProtein G Activity:** Greater than 99% binding to immobilized rabbit IgG as measured by coomassie PAGE.

**Results:** Passes specifications.

**For Research Use Only**. Not for Human or diagnostic Use. If you have any further questions about this Certificate of Analysis, please contact Lytic Solutions at (608) 345-8848.



Fritz Schomburg, PhD

Founder and CEO



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# Datasheet: His-Streptavivin – LS1909B

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| Description | E. coli derived recombinant His-Streptavidin is made from the streptavidin gene from Streptomyces avidinii. LS1909B is a tetramer and each monomer contains a His-Tag. • Greater than 98% streptavidin is present in tetramer formation, assayed by non-heat denatured SDS PAGE.• Biotin-binding activity: >16 U/mg (Green’s modified assay)• His-tag binding efficiency: complete protein retention on NTA resin | His-streptavidin spec sheet gel.jpg**Figure 1. Purity and activity analysis of recombinant His-tagged streptavidin by SDS PAGE.** 21MkDa1417283849629818821MkDa1417283849629818821MkDa14172838496298188Purified His-Streptavidin was analyzed on a Life Technologies Novex 4-12% Bis-Tris gel, MES buffer.M- MW marker (Life Technologies, Novex Sharp Protein Standard)1. 3 g of purified streptavidin
 |
| Source | Streptomyces avidinii, PS51326A280=3.0 at 1mg/ml. |
| Mol. Wt. | Monomer: 14.6 kDa. |
| Purity | >95% by SDS PAGE.  |
| Solution | 1. mg/ml in 30mM HEPES pH 8.0

and 50% glycerol (no preservatives)] |
| Storage | Short term at 4°C, long term at -20°C. |
| Recognition | • Biotin-binding activity: >16 U/mg (Green’s modified assay)• His-tag binding efficiency: complete protein retention on NTA resin |



Fritz Schomburg, PhD

CEO/Founder Lytic Solutions, LLC