



# PRODUCT SPECIFICATION SHEET

## Protein Name: Recombinant Protein-G

**Catalog No:** RP-015

**Description:** Streptococcal protein G lacking the albumin binding region expressed in *Escherichia coli* (*E. coli*) as soluble protein.

**Concentration:** 1-5mg/ml (customizable)

**Source:** *Escherichia coli* (*E. coli*)

**Format:** Purified liquid

**Buffer:** 10mM Tris, pH.8, 0.1% SDS, 1 mM PMSF.

## PREPARATION:

**Expression System:** *Escherichia coli* (*E. coli*)

**Tag:** 6X histidine tag

**Purification:** His-tag affinity purification by Immobilized metal ion affinity Chromatography

**Purity:** >95% as determined by SDS PAGE

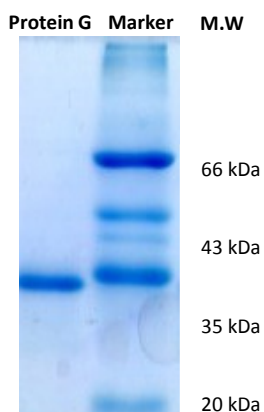


Figure- SDS PAGE Analysis

**Molecular Weight:** The predicted size of protein is **35 kDa**.

**Purity:** Determined by SDS-PAGE under reducing conditions and visualized by Coomassie Blue staining.

**Preservative:** None

**Application:** Suitable for use in gold conjugation and lateral flow. Reacts with IgG of Human, Rabbit, Mouse, and Goat. Use optimum working concentration for particular application.

**Shipping:** Protein is shipped in ice pack.

**Storage:** It should be aliquoted as per requirement upon arrival to avoid multiple freezing & thawing cycles.

Long term storage:-20°C to -80°C

Short term storage: 2-8°C

**Stability:** 3 years from the manufacturing date.

**Safety note:** Refer to the appropriate safety data sheet (SDS) for additional information.

**Reconstitution:** The protein can be aliquoted and diluted as per requirement.

**This product is furnished for LABORATORY RESEARCH or MANUFACTURING use only.**



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