

# Protein-L Recombinant Protein



RPPB4310

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## Product Information Protein Information

**Product SKU:**

RPPB4310

**Host:**

Escherichia Coli.

**Protein description:**

Recombinant Protein-L produced in E.Coli is a single non-glycosylated polypeptide chain fused with a 6×His tag at N-terminus. Protein-L is comprised of 5 IgG-binding regions of protein L (B1-B2-B3-B4-B5) containing 372 amino acids in total and having a molecular mass of 41.5kDa, however, it migrates with an apparent molecular mass of 46kDa on SDS-PAGE. Cell wall binding region, cell membrane binding region and albumin binding region have been eliminated from the recombinant Protein-L to guarantee the maximum specific IgG binding.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Formulation:**

Protein-L was lyophilized without any additives.

**Purity:**

Greater than 97.0% as determined by: (a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Protein-L in sterile 18M-cm H2O not less than 0.1mg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Protein-L although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Protein-L should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MHHHHHHKKEE TPETPETDSE EEVTIKANLI FANGSTQTAE FKGTFEKATS EAYAYADTLK KDNGEYTVDV  
ADKGYTLNIK FAGKEKTPEE PKEEVTIKAN LIYADGKTQT AEFKGFEEA TAEAYRYADA LKKDNGEYTV  
DVADKGYTLN IKFAGKEKTP EEPKEEVTIK ANLIYADGKT QTAEFKGTFE EATAEAYRYA DLLAKENGKY  
TVDVADKGYT LNIKFAGKEK TPEEPKEEVT IKANLIYADG KTQTAEFKGT FAEATAEAYR YADLLAKENG  
KYTADLEDGG YTINIRFAGK KVDEKPEEKE QVTIKENIYF EDGTVQQTATF KGTFAEATAE AYRYADLLSK  
EHGKYTADLE DGGYTINIRF AG.