Coud-Clone Corp.

RPB028Hu51 50µg Recombinant Albumin (ALB) Organism Species: Homo sapiens (Human) *Instruction manual* 

FOR IN VITRO USE AND RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

#### [PROPERTIES]

kDa 94 Residues: Asp25~Leu609 66.2 Tags: N-terminal His-Tag 45 Accession: P02768 33 Host: Yeast (Pichia pastoris) 26 Subcellular Location: Secreted. **Purity: >95%** 20 Endotoxin Level: <1.0EU per 1µg (determined by the LAL method). 14.4 Formulation: Supplied as lyophilized form in 10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 15% SDS-PAGE 0.01% sarcosyl and preservative. Predicted isoelectric point: 5.9 Predicted Molecular Mass: 69.4kDa Applications: SDS-PAGE; WB; ELISA; IP. (May be suitable for use in other assays to be determined by the end user.)

## [<u>USAGE</u>]

Reconstitute in sterile ddH<sub>2</sub>O.

## [ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

# [<u>SEQUENCES</u>]

The sequence of the target protein is listed below.

DAHKSE VAHRFKDLGE ENFKALVLIA FAQYLQQCPF EDHVKLVNEV TEFAKTCVAD ESAENCDKSL HTLFGDKLCT VATLRETYGE MADCCAKQEP ERNECFLQHK DDNPNLPRLV RPEVDVMCTA FHDNEETFLK KYLYEIARRH PYFYAPELLF FAKRYKAAFT ECCQAADKAA CLLPKLDELR DEGKASSAKQ RLKCASLQKF GERAFKAWAV ARLSQRFPKA EFAEVSKLVT DLTKVHTECC HGDLLECADD RADLAKYICE NQDSISSKLK ECCEKPLLEK SHCIAEVEND EMPADLPSLA ADFVESKDVC KNYAEAKDVF LGMFLYEYAR RHPDYSVVLL LRLAKTYETT LEKCCAAADP HECYAKVFDE FKPLVEEPQN LIKQNCELFE QLGEYKFQNA LLVRYTKKVP QVSTPTLVEV SRNLGKVGSK CCKHPEAKRM PCAEDYLSVV LNQLCVLHEK TPVSDRVTKC CTESLVNRRP CFSALEVDET YVPKEFNAET FTFHADICTL SEKERQIKKQ TALVELVKHK PKATKEQLKA VMDDFAAFVE KCCKADDKET CFAEEGKKLV AASQAALGL

#### [REFERENCES]

- 1. Cuya Guizado T.R., *et al.* (2012) Eur. Biophys. J. 41:1033-1042.
- 2. Krenzel E.S., et al. (2013) Biochemistry 52:1559-1567.
- 3. Khaziapoul S., et al. (2012) Biochem. Biophys. Res. Commun. 426:539-543.
- 4. Gunnarsson A.K., et al. (2012) Scand J Surg 101:204-210.