

EPA117Hu61 50ug Eukaryotic Superoxide Dismutase 3, Extracellular (SOD3) Organism Species: *Homo sapiens (Human) Instruction manual* 

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

# Coud-Clone Corp.

## [PROPERTIES]

Source: Eukaryotic expression Host: CHO Cells Residues: Trp19–Ala240 Tags: N-terminal His Tag Subcellular Location: Secreted Purity: > 97% Traits: Freeze-dried powder Buffer formulation: PBS, pH7.4, containing 5% Trehalose. Original Concentration: 50µg/mL Applications: Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.) Predicted isoelectric point: 6.3 Predicted Molecular Mass: 25.8kDa Accurate Molecular Mass: 30kDa as determined by SDS-PAGE reducing conditions. Phenomenon explanation:

- The possible reasons that the actual band size differs from the predicted are as follows:
- 1.Splice variants: Alternative splicing may create different sized proteins from the same gene.
- 2. Relative charge: The composition of amino acids may affects the charge of the protein.
- 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
- 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
- 5. Polymerization of the target protein: Dimerization, multimerization etc.

### [USAGE]

Reconstitute in  $ddH_2O$  to a concentration ?0.1mg/mL. Do not vortex.

### [ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.



Store at 2-8°C for one month.

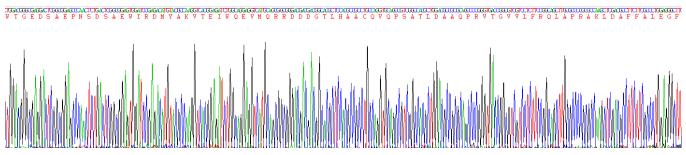
Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. 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. The loss rate is less than 5% within the expiration date under appropriate storage condition.

### [<u>SEQUENCE</u>]

WT GEDSAEPNSD SAEWIRDMYA KVTEIWQEVM QRRDDDGALH AACQVQPSAT LDAAQPRVTG VVLFRQLAPR AKLDAFFALE GFPTEPNSSS RAIHVHQFGD LSQGCESTGP HYNPLAVPHP QHPGDFGNFA VRDGSLWRYR AGLAASLAGP HSIVGRAVVV HAGEDDLGRG GNQASVENGN AGRRLACCVV GVCGPGLWER QAREHSERKK RRRESECKAA

### [IDENTIFICATION]



#### Figure. Gene Sequencing (Extract)

Figure. SDS-PAGE

### [IMPORTANT NOTE]



The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.