Coud-Clone Corp.

EPA079Po61 100ug Eukaryotic Interleukin 6 (IL6) Organism Species: Sus scrofa; Porcine (Pig) *Instruction manual*

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

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Eukaryotic expression. Host: 293F cell Residues: Gly30~Met212 Tags: N-terminal His Tag Homology: Mouse 43%, rat 43% Tissue Specificity: Plasm. Subcellular Location: Secreted. **Purity:** >98% **Endotoxin Level:** <1.0EU per 1µg (determined by the LAL method). **Traits:** Freeze-dried powder Buffer Formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300. Original Concentration: 200ug/mL Predicted isoelectric point: 5.8 Predicted Molecular Mass: 22.5kDa Accurate Molecular Mass: 25/30kDa as determined by SDS-PAGE reducing conditions. Applications: SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling. (May be suitable for use in other assays to be determined by the end user.)

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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.

[<u>USAGE</u>]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/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>]

E RLEEDAKGDA TSDKMLFTSP DKTEELIKYI LGKISAMRKE MCEKYEKCEN SKEVLAENNL NLPKMAEKDG CFQSGFNQET CLMRITTGLV EFQIYLDYLQ KEYESNKGNV EAVQISTKAL IQTLRQKGKN PDKATTPNPT TNAGLLDKLQ SQNEWMKNTK IILILRSLED FLQFSLRAIR IM

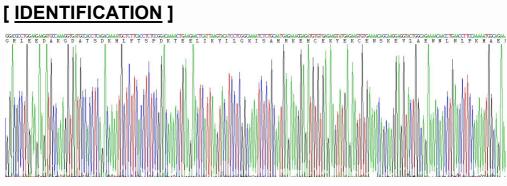
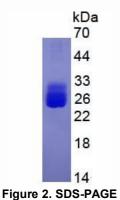


Figure 1. Gene Sequencing (extract)



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