

EPA685Hu64 100µg Eukaryotic Cluster Of Differentiation 14 (CD14) Organism Species: *Homo sapiens (Human) Instruction manual* 

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

# Cond-Clone Corp.

## [PROPERTIES]

Source: Eukaryotic expression Host: 293F cell Residues: Thr20~Asn345 Tags: C-terminal His Tag Subcellular Location: Membrane, Secreted **Purity:** > 95% Traits: Freeze-dried powder Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose. Original Concentration: 200µg/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: 5.4 Predicted Molecular Mass: 36.7kDa Accurate Molecular Mass: 50kDa 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 20mM Tris, 150mM NaCI (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not

## [STORAGE AND STABILITY]

vortex.



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.

#### [ SEQUENCE ]

```
T TPEPCELDDE DFRCVCNFSE PQPDWSEAFQ
CVSAVEVEIH AGGLNLEPFL KRVDADADPR QYADTVKALR VRRLTVGAAQ
VPAQLLVGAL RVLAYSRLKE LTLEDLKITG TMPPLPLEAT GLALSSLRLR
NVSWATGRSW LAELQQWLKP GLKVLSIAQA HSPAFSCEQV RAFPALTSLD
LSDNPGLGER GLMAALCPHK FPAIQNLALR NTGMETPTGV CAALAAAGVQ
PHSLDLSHNS LRATVNPSAP RCMWSSALNS LNLSFAGLEQ VPKGLPAKLR
VLDLSCNRLN RAPQPDELPE VDNLTLDGNP FLVPGTALPH EGSMN
```

## [IDENTIFICATION]

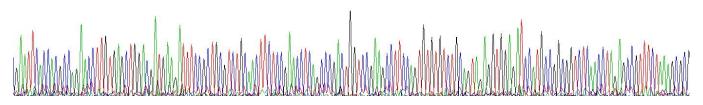


Figure . Gene Sequencing (extract)



Figure. SDS-PAGE

# [<u>IMPORTANT NOTE</u>]

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.