RPA010Ra01 10µg

Recombinant Connective Tissue Growth Factor (CTGF)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Gln25~Ala347

Tags: N-terminal His-Tag

Tissue Specificity: Testis, Spleen, Kidney, Lung.

Subcellular Location: Secreted, extracellular space, extracellular matrix.

Purity: >92%

Traits: Freeze-dried powder

Buffer formulation: 10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.

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: 8.2

Predicted Molecular Mass: 36.7kDa

Accurate Molecular Mass: 35kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) 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.

[SEQUENCE]

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                                QDCSAQ    CQCAAEAAPR  CPAGVSLVLD
GCGCCRVCAK  QLGELCTERD  PCDPHKGLFC  DFGSPANRKI  GVCTAKDGAP
CVFGGSVYRS  GESFQSSCKY  QCTCLDGAVG  CVPLCSMDVR  LPSPDCPFPR
RVKLPGKCCE  EWVCDEPKDR  TVVGPALAAY  RLEDTFGPDP  TMMRANCLVQ
TTEWSACSKT  CGMGISTRVT  NDNTFCRLEK  QSRLCMVRPC  EADLEENIKK
GKKCIRTPKI  AKPVKFELSG  CTSVKTYRAK  FCGVCTDGRC  CTPHRTTTLP
VEFKCPDGEI  MKKNMMFIKT  CACHYNCPGD  NDIFESLYYR  KMYGDMA
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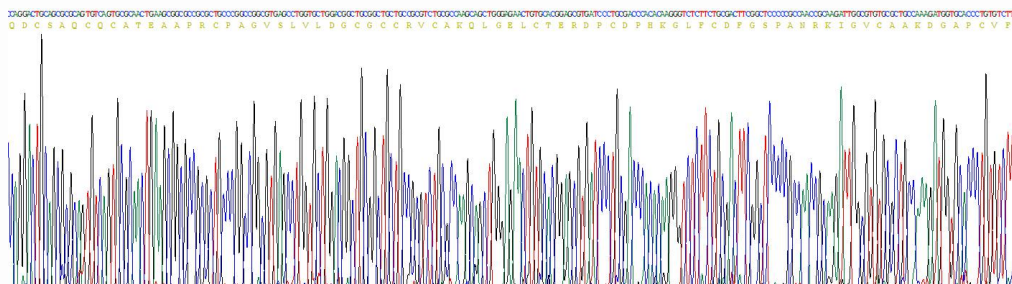
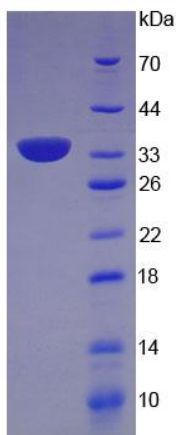# [IDENTIFICATION]

Figure 1. Gene Sequencing (Extract)

Figure 2. SDS-PAGE