

RPE256Hu01 100µg
Recombinant Procollagen Lysine-1,2-Oxoglutarate-5-Dioxygenase 1 (PLOD1)
Organism Species: Homo sapiens (Human)
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: Gln636~Pro727

Tags: N-terminal His-Tag

Tissue Specificity: Liver, Kidney, Heart, Testis.

Subcellular Location: Rough endoplasmic reticulum membrane; Peripheral membrane protein; Luminal side.

Purity: >95%

Traits: Freeze-dried powder

Buffer formulation: 100mM NaHCO₃, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose 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: 9.1

Predicted Molecular Mass: 14.2kDa

Accurate Molecular Mass: 14kDa as determined by SDS-PAGE reducing conditions.

[**USAGE**]

Reconstitute in 100mM NaHCO₃, 500mM NaCl (pH8.3) 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]

QFDLA FVVRYKPDEQ
PSLMPHHDas TFTINIALNR VGVDYEGGGC RFLRYNCSIR APRKGWTLMH
PGRLLTHYHEG LPTTRGTRYI AVSFVDP

[IDENTIFICATION]

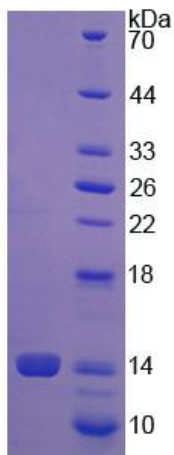


Figure 1. SDS-PAGE