

RPC158Mu01 10 μ g

Recombinant Collagen Type XII (COL12)

Organism Species: *Mus musculus* (Mouse)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[**PROPERTIES**]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Ser2453~Val2748

Tags: N-terminal His Tag

Subcellular Location: Secreted, Extracellular matrix

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .

Original Concentration: 100µg/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: 4.9

Predicted Molecular Mass: 36.8kDa

Accurate Molecular Mass: 38kDa as determined by SDS-PAGE reducing conditions.

[**USAGE**]

Reconstitute in ddH₂O to a concentration of 0.1-0.5 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**]

SGFSVFFV GVADVVDYNEL ANIASKPSEK HVFIVDDFES FEKIEDNLIT FWCETATSSC PLIYLDGYTS PGFKMLEAYN LTEKNFASVQ GVSLESGSFP SYSAYRLQKN AFINQPTAEL
HPNGLPPSYT IILLFRLLPE TPSDFFAIWQ ITDRDYRPQV GVIADPSSKT LSFFNKDTRG EVQVTVPDFTD EVKTLFYGSF HKVHIWVTSK SVKIYIDCYE IIEKDIKEAG NITTDGYEIL
GKLLKGERKS ATFQIQSFDI VCSPVWTSRD RCCDIPSRRD EAKCPALPNA CTCTQDSV

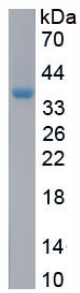
[IDENTIFICATION]

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.