**RPC136Hu01 100µg**

**Recombinant Collagen Type XVI (COL16)**

**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:** Val1434~Gly1604

**Tags:** N-terminal His-Tag

**Subcellular Location:** Secreted, extracellular space, extracellular matrix.

**Purity:** >90%

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

**Original Concentration:** 200ug/mL

**Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 9.4

**Predicted Molecular Mass:** 21.3kDa

**Accurate Molecular Mass:** 23kDa as determined by SDS-PAGE reducing conditions.

## [ USAGE ]

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$^{o}$C for one month.

Aliquot and store at -80$^{o}$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$^{o}$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 ]

VNYDEIK RFIRQEIIKM
FDERMAYYTS RMQFPMEMAA APGRPGPPGK DGAPGRPGAP GSPGLPGQIG
REGRQGLPGV RGLPGTKGEK GDIGIGIAGE NGLPGPPGPQ GPPGYGKMGA
TGPMGQQGIP GIPGPPGPMG QPGKAGHCNP SDCFGAMPME QQYPPMKTMK
GPFG

## [ IDENTIFICATION ]

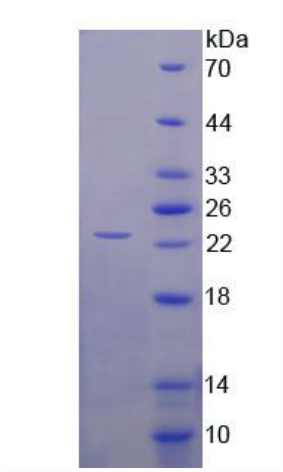


**Figure 1. SDS-PAGE**