**RPC513Hu03 200µg**

**Recombinant Granulin (GRN)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

## [ PROPERTIES ]

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Lys361~Arg585

**Tags:** N-terminal His Tag

**Subcellular Location:** Secreted

**Purity:** > 97%

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.

**Original Concentration:** 50μg/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:** 6.6

**Predicted Molecular Mass:** 31.1kDa

**Accurate Molecular Mass:** 31kDa as determined by SDS-PAGE reducing conditions.

## [ USAGE ]

Reconstitute in dd$H_2O$ to a concentration of 0.1-0.5 mg/mL. Do not vortex.

## [ STORAGE AND STABILITY ]

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC 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 ]

```
           KRDVPCDNVS SCPSSDTCCQ LTSGEWGCCP IPEAVCCSDH
QHCCPQGYTC VAEGQCQRGS EIVAGLEKMP ARRASLSHPR DIGCDQHTSC
PVGQTCCPSL GGSWACCQLP HAVCCEDRQH CCPAGYTCNV KARSCEKEVV
SAQPATFLAR SPHVGVKDVE CGEGHFCHDN QTCCRDNRQG WACCPYRQGV
CCADRRHCCP AGFRCAARGT KCLRREAPRW DAPLR
```

## [ IDENTIFICATION ]

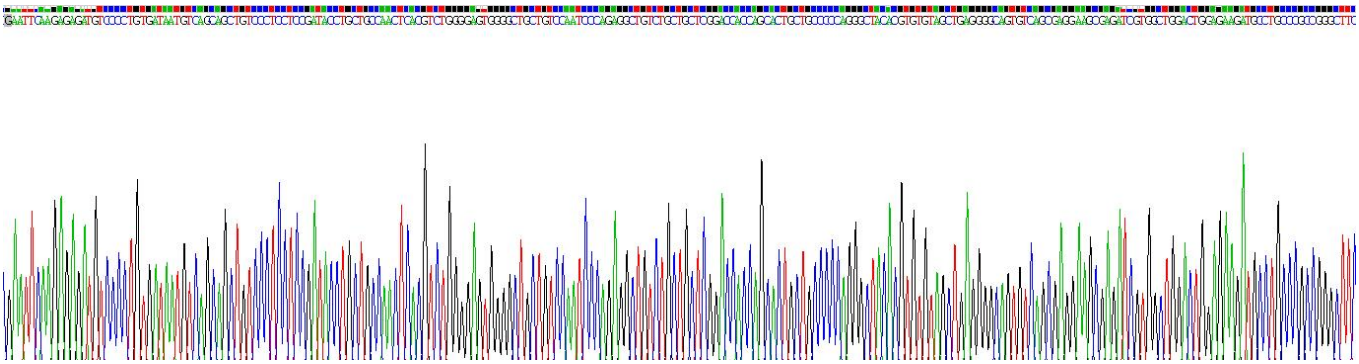
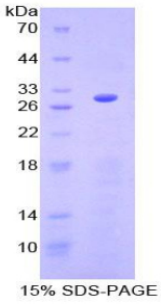


**Figure . Gene Sequencing (extract)**




## [ 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.