**RPC704Hu01 50µg**

**Recombinant Oxoguanine Glycosylase 1 (OGG1)**

**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:** Ser31~Gly345

**Tags:** N-terminal His Tag

**Subcellular Location:** Nucleus, Mitochondrion

**Purity:** > 95%

**Traits:** Freeze-dried powder

**Buffer formulation:** 100mMNaHCO$_3$, 500mMNaCl, pH8.3, containing 0.01% SKL, 5%

Trehalose.

**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:** 7.7

**Predicted Molecular Mass:** 39.2kDa

**Accurate Molecular Mass:** 39kDa as determined by SDS-PAGE reducing conditions.

## [ USAGE ]

Reconstitute in ddH$_2$O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## [ STORAGE AND STABILITY ]

**Storage:** Avoid repeated freeze/thaw cycles.
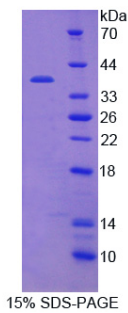
Store at 2-8⁰C for one month.

Aliquot and store at -80⁰C 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 ]

```
                                     SELRLDLVLP SGQSFRWREQ
SPAHWSGVLA DQVWTLTQTE EQLHCTVYRG DKSQASRPTP DELEAVRKYF
QLDVTLAQLY HHWGSVDSHF QEVAQKFQGV RLLRQDPIEC LFSFICSSNN
NIARITGMVE RLCQAFGPRL IQLDDVTYHG FPSLQALAGP EVEAHLRKLG
LGYRARYVSA SARAILEEQG GLAWLQQLRE SSYEEAHKAL CILPGVGTKV
ADCICLMALD KPQAVPVDVH MWHIAQRDYS WHPTTSQAKG PSPQTNKELG
NFFRSLWGPY AGWAQAVLFS ADLRQSRHAQ EPPAKRRKGS KGPEG
```

## [ IDENTIFICATION ]



15% 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.