

RPC580Mu01 10µg

Recombinant Lysyl Oxidase (LOX)

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: Pro207~Tyr411

Tags: N-terminal His and GST 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: 500µg/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: 6.1

Predicted Molecular Mass: 55.4kDa

Accurate Molecular Mass: 54kDa as determined by SDS-PAGE reducing conditions.

[**USAGE**]

Reconstitute in 10mM PBS (pH7.4) 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**]

```
PDLV PDPYIIQAST YVQKMSMYNL RCAAEEENCLA SSAYRADVRD  
YDHRVLLRFP QRVKNQGTSD FLPSRPRYSW EWSCHQHYH SMDEFSHYDL  
LDANTQRRVA EGHKASFCLE DTSCDYGYHR RFACTAHTQG LSPGCYDTYA  
ADIDCQWIDI TDVQPGNYIL KVSVNPSYLV PESDYTNMV RCDIRYTGHH  
AYASGCTISP Y
```

[IDENTIFICATION]

GGATCCGGGATCTGGTGGGACCTCAGATCGAGCTTCCAGTCCGACGCTGATGAGAGCTGATGAGGACTGCTGAGTCTCCGATTCCGAGGTGGAGACCAAGGTCATCCGACTTCTTAGAAGTGGCTGGTACCTCCGAGTGGGAGCTGGC

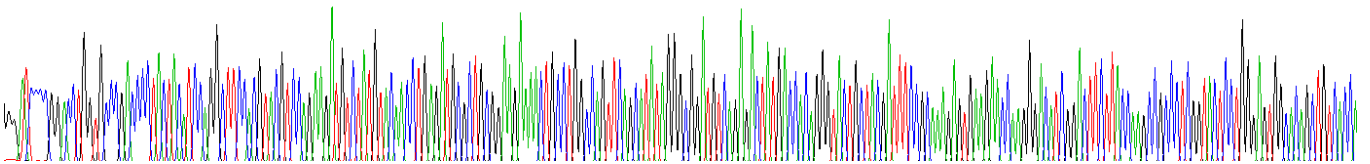


Figure . Gene Sequencing (extract)

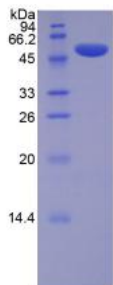


Figure. SDS-PAGE

[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.