RPG442Ra01 100μg

Recombinant Cysteine Conjugate Beta Lyase 2 (CCbL2)

Organism Species: *Rattus norvegicus (Rat)*

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: Met1~Ser454

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, 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: 8.6

Predicted Molecular Mass: 54.7kDa

Accurate Molecular Mass: 55kDa 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 2-8⁰C 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]

```
MLLAQRRLFS LGCRAKPIKT IYSSKVLGLS TSAKMALRFK NAKRIEGLDQ
NVWVEFTKLA ADPSVVNLGQ GFPDITLPSY VQEELSKAAF IDNLNQYTRG
FGHPSLVKAL SCLYGKIYQK QIDPNEEILV TVGGYGSLFN AIQGLVDPGD
EVIIMVPFYD CYEPMVKMAG AVPVFIPLRS KRTDGMKWTS SDWTFNPQEL
ESKFSSKTKA IILNTPHNPI GKVYTREELQ VIADLCIKHD TLCISDEVYE
WLVYTGHKHI KVASLPGMWD RTLTIGSAGK TFSVTGWKLG WSIGPGHLIK
HLRTVQQTSV YTCATPLQAA LAEAFWIDIK RMDDPECYFN SLPKELEVKR
DRMACLLNSV GLKPIIPDGG YFIIADVSSL GVDLSDVKSD EPYDYKFVKW
MTKNKKLSAI PVSAFCDSES KPHFEKLVRF CFIKKDSTLD AAEEIFRTWN
SRKS
```
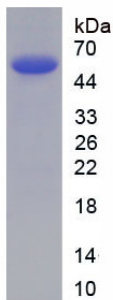
[IDENTIFICATION]

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.