Cloud-Clone Corp.

RPD396Mu01 50µg

Recombinant Proenkephalin (PENK)

Organism Species: *Mus musculus (Mouse)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

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[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Leu50~Phe268

Tags: His and TrxA Tag

Subcellular Location: Secreted

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

Original Concentration: 100μg/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: 5.3

Predicted Molecular Mass: 46.0kDa

Accurate Molecular Mass: 48kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH_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]

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                                                                    L
ECEGQLPSFK IWETCKDLLQ VSRPEFPWDN IDMYKDSSKQ DESHLLAKKY
GGFMKRYGGF MKKMDELYPM EPEEEANGGE ILAKRYGGFM KKDADEGDTL
ANSSDLLKEL LGTGDNRAKD SHQQESTNND EDMSKRYGGF MRSLKRSPQL
EDEAKELQKR YGGFMRRVGR PEWWMDYQKR YGGFLKRFAE SLPSDEEGEN
YSKEVPEIEK RYGGFMRF
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[IDENTIFICATION]

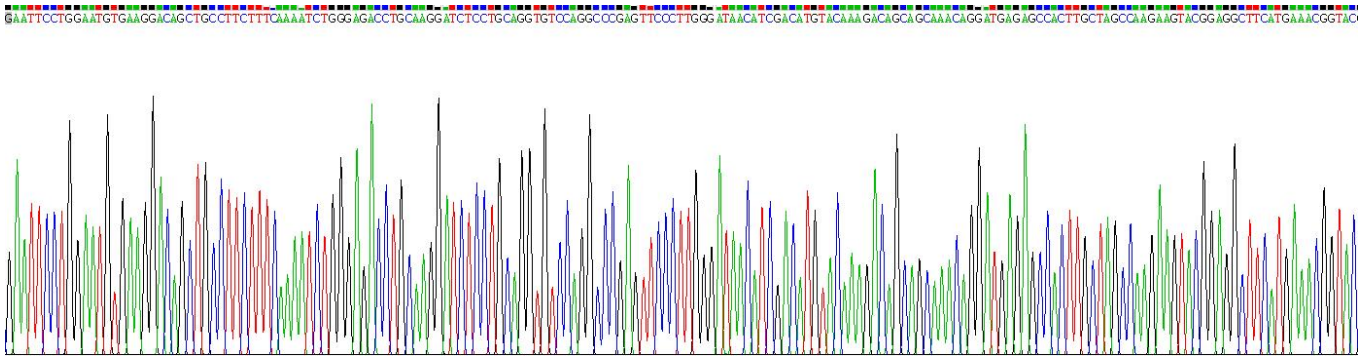

Figure . Gene Sequencing (extract)

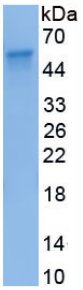

Figure. SDS-PAGE

[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.