RPG463Ra01 1

Recombinant Betaine Homocysteine Methyltransferase 2 (BHMT2)

Organism Species: *Rattus norvegicus (Rat)*

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: Met1~Ala363

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm

Purity: > 90%

Traits: Freeze-dried powder

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

Original Concentration: 100μg

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: 6.2

Predicted Molecular Mass: 43.6kDa

Accurate Molecular Mass: 44kDa 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 2-8ºC for one month.

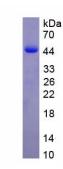Aliquot and store at -80ºC for 12 months.

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]

MAPAGGPRVK KVILERLDSG EVVVGDGGFL FTLEKRGFVK AGLWTPEAVV
EYPSAVRQL HTEFLRAGAD VLQTFTFSAA EDRMESKWEA VNAAACDLAQ E
VADGGAAL VAGGICQTSL YKYHKDETRI KNIFRLQLGV FARKNVDFLI AE
YFEHVEE AVWAVEVLRE VGAPVAVTMC IGPEGDMHGV TPGECAVRLS RAG
ANIIGV NCRFGPWTSL QTMKLMKEGL RDAGLQAHLM VQCLGFHTPD CGKG
GFVDL PEYPFGLEPR VATRWDIQKY AREAYNLGVR YIGGCCGFEP YHIRA
IAEE LAPERGFLPP ASEKHGIWGS GLDMHTKPWI RARARREYWE TLLPAS
GRP FCPSLSKPDA

[IDENTIFICATION]

[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.