

RPC643Ra01 500µg

Recombinant Monoamine Oxidase B (MAOB)

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: Gln206~Thr505

Tags: N-terminal His Tag

Subcellular Location: Membrane, Mitochondrion

Purity: > 80%

Traits: Freeze-dried powder

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

Original Concentration: 400µg/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: 7.6

Predicted Molecular Mass: 37.6kDa

Accurate Molecular Mass: 38kDa 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]

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QERKF IGGSGQVSR IKDILGDRVK LERPVIHIDQ TGENVVVKTL
NHEIYEAKYV ISAIPPVLGM KIHHSPLPI LRNQLITRVP LGSVIKCMVY
YKEPFWRKGD FCGTMVIEGE EAPIAYTLDD TKPDGSCAAI MGFILAHKAR
KLVRLTKEER LRKLCELYAK VLNSQEALQP VHYEKNWCE EQYSGGCYTA
YFPPGILTQY GRVLRQPVGK IFFAGTETAS HWSGYMEGAV EAGERAAAREI
LHAIGKIPED EIWQPEPESE DVPARPITNT FLERHLPSPV GLLKLLGLTT
ILSAT
    
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[IDENTIFICATION]

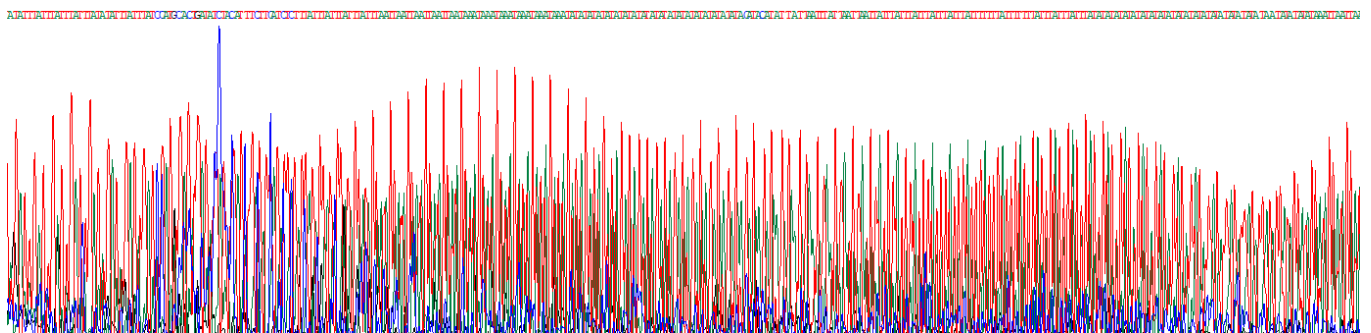


Figure . Gene Sequencing (extract)

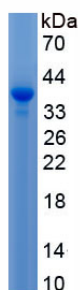


Figure. SDS-PAGE

[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.