Recombinant Monoamine Oxidase A (MAOA) Instruction Manual

SIPB920Ra01

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method)
Subcellular Location	Membrane, Mitochondrion
Predicted Molecular Mass	60.1kDa
Accurate Molecular Mass	65kDa(Analysis of differences refer to the manual)
Residues & Tags	Leu+Thr2~Ser497 with N-terminal His Tag
Buffer Formulation	100mMNaHCO$_3$, 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	6.9
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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LTDLEKPNLA GHMFDVGLIG GGISGLAAAK LLSEYKINVL VLEARDRVGG
RTYTVRNEHV KWVDVGGAYV GPTQNRILRL SKELGIETYK VNVNERLVQY
VKGKTYPFRG AFPPVWNPLA YLDYNNLWRT MDEMGKEIPV DAPWQARHAQ
EWDKMTMKDL IDKICWTKTA REFAYLFVNI NVTSEPHEVS ALWFLWYVRQ
CGGTARIFSV TNGGQERKFV GGSGQVSEQI MGLLGDKVKL SSPVTYIDQT
DDNIIVETLN HEHYECKYVI SAIPPILTAK IHFKPELPPE RNQLIQRLPM
GAVIKCMVYY KEAFWKKKDY CGCMIIEDEE APIAITLDDT KPDGSLPAIM
GFILARKADR QAKLHKDIRK RKICELYAKV LGSQEALYPV HYEEKNWCEE
QYSGGCYTAY FPPGIMTQYG RVIRQPVGRI YFAGTETATQ WSGYMEGAVE
AGERAAREVL NALGKVAKKD IWVEEPESKD VPAIEITHTF LERNLPS
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USAGE

Reconstitute in ddH$_2$O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

SDS-PAGE Image
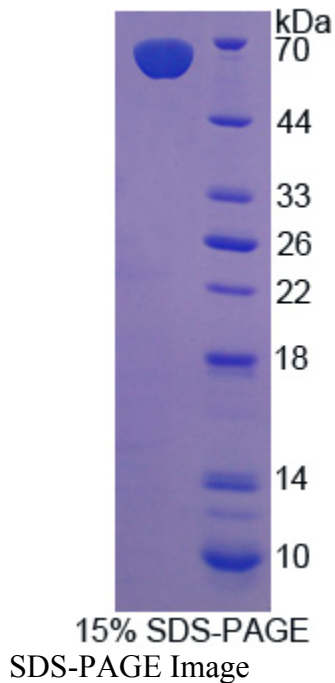
[IMPORTANT NOTE]

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.