RPA837Rb01 50μg

Recombinant Nitric Oxide Synthase 2, Inducible (NOS2)

Organism Species: *Oryctolagus cuniculus (Rabbit)*

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~Leu1147

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm

Purity: > 80%

Traits: Freeze-dried powder

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

Original Concentration: 80μg/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: 7.5

Predicted Molecular Mass: 133.7kDa

Accurate Molecular Mass: 134kDa 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]

MACPWRFLFKARSQQYDLTEEKDINNNVGKGTSELCSPATQDDPKCHSLSKHQDDSPQPPAATAKKSPESPGK
QDVPPSACPRHVRIRNWGSGMTLQDTLHLKAKEDSTCKSHYCQGAVMNPKEMIRGPRDRPTPAEELLPQAI
EFVNQYYGSFKEAKIEAHLARVEAVTKEIETTGTYQLTGDELIFATKQAWRNAPRCIGRIQWSNLQVFDARSCST
AQEMFEHICRHLRYATNNGNIRSAITVFPQRSDGKHDFRVWNSQLIRYAGYHMPDGTIQGDPANTEFTQLCI
DLGWKPNFGRFDVLPLVLQADGRDPELFEIPADIVLEVPMEHPKYEWFRELELKWYALPAVANMLLEAGGLE
FPACPFNGWYMGTEIGVRDFCDVQRYNILEEVGRRMGLETHRLASLWKDQAVTEINIAVLHSFQKRNVTIM
DHHSAAESFMKHMQNEYRSRGGCPADWIWLVPPMSGSITPVFHQEMLNYILSPFYYYQVEAWKTHAWQD
MKKKPQRRRLQFRVLGRTALFASVLMRKTLAVRVRATILFATETGKSEALARDLGDLFGCAFNPTVLCMDEYQ
LSNLEREQLLLVVTSTFGNGDSPGNGEKLKRSLFMLKELTNKFRYAVFGLGSSMYPQFCAFARDIDQKLCHLGA
SQLAPLGEGDELSGQEDAFRSWAVQTFKAACETFGIRGKERIQIPKLYTSSVTWEPHHYRLVQDSQPLDLNRAL
SSLHAKNVMTMKLKSLRNLQSPRSSRATVLVQLSCEGSPGLSYLPGEHLGVCPSNQPALVQGILERVVDCPDPH
QTVHLQILAESGSYWVRDKRLPPCSLSQALTYFLDITTPPTQLLLQKLSRLATEEAERQRLVTLCQPSEYNKWKLT
NSPTFLEVLEEFPSLRLSAAFLLSQLPNLKPRYYSISSSQDHTPTEVHLTVAVVTYRPRGGQGPLHHGVCSTWLSS
LKPQDPVPCFVRSASGFQLPEDPSHPCILIGPGTGIAPFRSFWQQRLHDSEYKGLRGGRMILVFGCRHPDEDH
LYWEELLEMMQKGVLSGVHTAYSRLPGQPKVYVQDLLRQKLADEVLRVLLEEPGHIYVCGGVCMARDVALVL
KQLVAAKLSLSEEQVEDYFFLLKSRKRYHEDIFGAAFPYEVQRSEQPGDTGL

[IDENTIFICATION]

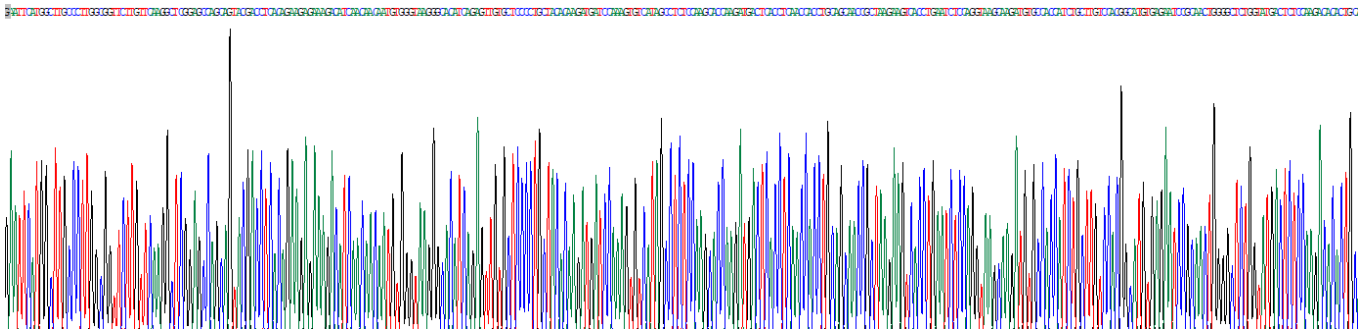

Figure . Gene Sequencing (extract)

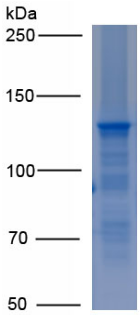

Figure. SDS-PAGE

[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.