

**RPA837Hu03 50µg**

**Recombinant Nitric Oxide Synthase 2, Inducible (NOS2)**

**Organism Species: *Homo sapiens* (Human)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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12th Edition (Revised in Aug, 2016)

**[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Met1~Glu504

**Tags:** N-terminal His Tag

**Subcellular Location:** Cytoplasm

**Purity:** > 90%

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.

**Original Concentration:** 50µg/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:** 7.0

**Predicted Molecular Mass:** 61.7kDa

**Accurate Molecular Mass:** 62kDa as determined by SDS-PAGE reducing conditions.

**[ USAGE ]**

Reconstitute in ddH<sub>2</sub>O to a concentration of 0-0.5 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 ]**

MACPWKFLFK TKFHQYAMNG EKDINNNVEK APCATSSPVT QDDLQYHNLS  
 KQONESPQPL VETGKKSPES LVKLDATPLS SPRHVRIKNW GSGMTFQDTL  
 HHKAKGILTC RSKSCLGSIM TPKSLTRGPR DKPTPPDELL PQAIEFVNQY  
 YGSFKEAKIE EHLARVEAVT KEIETTGTQYQ LTGDELIFAT KQAWRNAPRC  
 IGRIQWSNLQ VFDARSCSTA REMFEHICRH VRYSTNNGNI RSAITVFPQR  
 SDGKHDFRVW NAQLIRYAGY QMPDGSIRGD PANVEFTQLC IDLGWKPKYG  
 RFDVVPLVLQ ANGRDPELFE IPPDLVLEVA MEHPKYEWFR ELELKWYALP  
 AVANMLLEVG GLEFPGC PFN GWYMGTEIGV RDFCDVQRYN ILEEVGRRMG  
 LETHKLASLW KDQAVVEINI AVLHSFQKQN VTIMDHHSAA ESFMKYMONE  
 YRSRGGCPAD WIWLVPPMSG SITPVFHQEM LNYVLSPFY YQVEAWKTHV  
 WQDE←

**[ IDENTIFICATION ]**



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.