



# Recombinant Rabbit Nitric oxide synthase, inducible (NOS2)

<b>Product Code</b>	CSB-EP015943RB
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O19114
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Oryctolagus cuniculus (Rabbit)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p> MYPHFCAFVM TSTRNCLTWA ASQLAPTGEG DELSGQEDAF  RSWAVQTFRA ACETFDVRSK HCIQIPKRYT SNATWEPEQY KLTQSPEPLD  LNKALSSIIHA KNLFTMRLRS LQNLHSEKSS RTLLVQLTF EGSRGPSYLP  GEHLGIFPGN QTGLVQGILE RVVDCSSPDQ TVCLEVHDES GSYWVKDKRL  PPCSLRQALT YFLDITTPPT QLQLHKLARF ATEETHRQRL EALCQPSEYN  DWKFSNNPTF LEVLEEFPSL RVPAAFLLSQ LPILKPRYYIS ISSSQDHTPS  EVHLTAVAVT YRTRDGGQGPL HHGVCSTWIN NLKPEDPVPC FVRSVSGFQL  PEDPSQPCIL IGPGTGIAPF RSFWQQRLHD SQHRGLKGG R MTLVFGCRHP  EEDHLYQEEM QEMVRKGVLF QVHTGYSRLP GKPKVYVQDI LQKELADEVF  SVLHGEQGH L YVCGDVRMAR DVATTLKKL V AAKLNLSEEQ VEDYFFQLKY  HEDIFG </p>
<b>Source</b>	E.coli
<b>Target Names</b>	NOS2
<b>Protein Names</b>	<p>Recommended name: Nitric oxide synthase, inducible EC= 1.14.13.39</p> <p>Alternative name(s): Inducible NO synthase Short name= Inducible NOS Short name= iNOS NOS type II Peptidyl-cysteine S-nitrosylase NOS2</p>
<b>Expression Region</b>	1-496
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	<p>Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. This gene encodes a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17.</p>
<b>Reconstitution</b>	<p>We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final</p>



concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.