



Recombinant Pig Nitric oxide synthase, inducible (NOS2)

Product Code	CSB-EP302917PI
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P79290
Product Type	Recombinant Protein
Immunogen Species	Sus scrofa (Pig)
Purity	>85% (SDS-PAGE)
Sequence	DARSCSTAQE MFEHICRHLR YATNNGNIRS AITVFPQRSD GKHD FRVWNA QLIRYAGYQM PDGTIIGDPA SVEFTQLCID LGWKPKYGRF DVVPLVLHAD GRDPELFEIP PDLVLEVPME HPKYEFWFQEL ELKWYALPAV ANMLLEVGGL EFPGCPFNGW YMGTEIGVRD FCDVQRYNIL EEVGRRMGLE THKLASLWWD RAVVEINVAV LHSFQ
Source	E.coli
Target Names	NOS2
Protein Names	Recommended name: Nitric oxide synthase, inducible EC= 1.14.13.39 Alternative name(s): Inducible NO synthase Short name= Inducible NOS Short name= iNOS NOS type II Peptidyl-cysteine S-nitrosylase NOS2
Expression Region	1-215
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.
Reconstitution	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 concentration of glycerol is 50%. Customers could use it as reference.
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.