



Recombinant Guinea pig Nitric oxide synthase, endothelial (NOS3)

Product Code	CSB-EP015946GU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P97270
Product Type	Recombinant Protein
Immunogen Species	Cavia porcellus (Guinea pig)
Purity	>85% (SDS-PAGE)
Sequence	WYMSTEIGTR NLCDPHRYNI LEDVAVCMDL DTRTTSSLWK DKAAVEINVA VLHSYQLAKV TIVDHHAATV SFMKHLENEQ KGRGGCPADW GWDPCCPSRA
Source	E.coli
Target Names	NOS3
Protein Names	Recommended name: Nitric oxide synthase, endothelial EC= 1.14.13.39 Alternative name(s): Constitutive NOS Short name= cNOS EC-NOS Endothelial NOS Short name= eNOS NOS type III Short name= NOSIII
Expression Region	1-100
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. Nitric oxide is synthesized from L-arginine by nitric oxide synthases. Variations in this gene are associated with susceptibility to coronary spasm. Multiple transcript variants encoding different isoforms have been found for this gene.
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.