



# Recombinant Dog Nitric oxide synthase, endothelial (NOS3), partial

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| <b>Product Code</b>      | CSB-BP880009DO   |
| <b>Abbreviation</b>      | NOS3   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.   |
| <b>Uniprot No.</b>       | Q9TUX8   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Canis lupus familiaris (Dog) (Canis familiaris)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | NOS3   |
| <b>Protein Names</b>     | Recommended name: Nitric oxide synthase, endothelial EC= 1.14.13.39<br>Alternative name(s): Constitutive NOS Short name= cNOS EC-NOS Endothelial NOS Short name= eNOS NOS type III Short name= NOSIII  |
| <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>    | Partial  |
| <b>Target Details</b>    | 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. |
| <b>Reconstitution</b>    | 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.            |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.   |