

Datasheet for ABIN2727468  
**NOS1 Protein (Myc-DYKDDDDK Tag)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	20 µg
Target:	NOS1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NOS1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

## Product Details

Characteristics:	<ul style="list-style-type: none"><li>• Recombinant human NOS1 protein expressed in HEK293 cells.</li><li>• Produced with end-sequenced ORF clone</li></ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

## Target Details

Target:	NOS1
Alternative Name:	Nos1 ( <a href="#">NOS1 Products</a> )
Background:	The protein encoded by this gene belongs to the family of nitric oxide synthases, which synthesize nitric oxide from L-arginine. Nitric oxide is a reactive free radical, which acts as a biologic mediator in several processes, including neurotransmission, and antimicrobial and antitumoral activities. In the brain and peripheral nervous system, nitric oxide displays many properties of a neurotransmitter, and has been implicated in neurotoxicity associated with

## Target Details

stroke and neurodegenerative diseases, neural regulation of smooth muscle, including peristalsis, and penile erection. This protein is ubiquitously expressed, with high level of expression in skeletal muscle. Multiple transcript variants that differ in the 5' UTR have been described for this gene but the full-length nature of these transcripts is not known. Additionally, alternatively spliced transcript variants encoding different isoforms (some testis-specific) have been found for this gene.[provided by RefSeq, Feb 2011].

Molecular Weight: 160.8 kDa

NCBI Accession: [NP\\_000611](#)

Pathways: [Negative Regulation of Hormone Secretion](#), [Myometrial Relaxation and Contraction](#)

## Application Details

Application Notes: Recombinant human proteins can be used for:  
Native antigens for optimized antibody production  
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

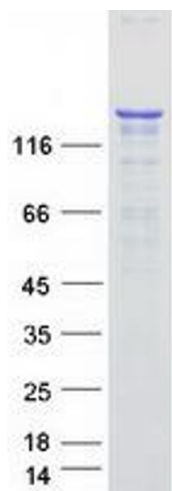
## Handling

Concentration: 50 µg/mL

Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

**Image 1.** Validation with Western Blot