



# SZABO SCANDIC

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## Produktinformation



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- Trockeneiszuschlag
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- Expressversand

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# PRODUCT INFORMATION



## iNOS Electrophoresis Standard

Item No. 360862

### Overview and Properties

<b>Contents:</b>	5 µg purified iNOS
<b>Synonyms:</b>	Inducible Nitric Oxide Synthase; NOS II
<b>Immunogen:</b>	Isolated from activated murine macrophage cells
<b>Form:</b>	Liquid or Solid
<b>Storage:</b>	-80°C (as supplied)
<b>Stability:</b>	≥1 year
<b>Storage Buffer:</b>	50 µl of 100 mM HEPES buffer, pH 7.5, containing 20% glycerol
<b>Purity:</b>	95%
<b>Applications:</b>	Suitable for Western blot, working concentration/dilution should be determined empirically.

### Description

Nitric oxide synthase (NOS) catalyzes the biosynthesis of nitric oxide from L-arginine. Constitutively expressed NOS is found in brain (nNOS) and endothelial cells (eNOS). iNOS (NOS II) is a soluble enzyme found in a variety of tissues including macrophages, hepatocytes, vascular smooth muscle cells, and chondrocytes.<sup>2,3</sup> iNOS expression is increased by a variety of factors including LPS, IFN- $\gamma$ , IL-1 $\beta$ , and TNF- $\alpha$ , whereas expression is decreased by dexamethasone.<sup>4-8</sup> The enzyme has been cloned from several species including mouse, rat, and human with homology of at least 80% between these species.<sup>3</sup> The calculated molecular weight of the protein from the deduced amino acid sequence is 130,000-135,000.<sup>2</sup>

### References

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WARNING  
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA  
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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