

Nitric oxide synthase, inducible

Catalog No: #AP78688

Package Size: #AP78688-1 50ug #AP78688-2 100ug #AP78688-3 1mg

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Description

Product Name	Nitric oxide synthase, inducible
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Mouse
Immunogen Description	617-648AA
Other Names	Inosl,Inducible NO synthase,Macrophage NOS,NOS type II,Peptidyl-cysteine S-nitrosylase NOS2,Inducible NOS,MAC-NOS
Accession No.	P29477Gene name:Nos2
Uniprot	P29477
GeneID	18126;
Calculated MW	3.52
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body (PubMed:7503239). In macrophages, NO mediates tumoricidal and bactericidal actions. Also has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such as PTGS2/COX2 (PubMed:16373578). As component of the iNOS-S100A8/9 transnitrosylase complex involved in the selective inflammatory stimulus-dependent S-nitrosylation of GAPDH implicated in regulation of the GAIT complex activity and probably multiple targets including ANXA5, EZR, MSN and VIM (By similarity). Involved in inflammation, enhances the synthesis of proinflammatory mediators such as IL6 and IL8.

References

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Note: This product is for in vitro research use only