

eNOS active protein

eNOS (human), (recombinant)

CATALOG #
AAA77034

HOST
Sf9 Insect cells

PRODUCT SYNONYMS

eNOS; eNOS (human); (recombinant); eNOS active protein

PRODUCT SPECIFICATIONS

Host	Sf9 Insect cells
Purity/Purification	≥90% (SDS-PAGE, Western Blot)
Form/Format	Liquid. In 50 mM TRIS, pH7.4, containing 0.1mM EDTA, 10% glycerol, 100mM NaCl, 0.1mM DTT, 10uM tetrahydrobiopterin
Source Note	Untagged human eNOS. Produced in a baculovirus expression system
Specific Activity	≥120U/mg. 1 U is defined as the amount of enzyme required to produce 1 nmol of NO (nitric oxide) per minute at 37 degree C. NO synthesis is measured by the conversion of oxyhemoglobin to methemoglobin
Stability	eNOS is relatively unstable, and loses activity on ice within 30 minutes. Prepare aliquots and snap-freeze in liquid nitrogen until ready for use.
EC	1.14.13.39
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	For long term storage, store at -80 degree C Avoid freeze/thaw cycles. After opening, prepare aliquots and store at -80°C. Shipping: Shipped on Dry Ice

ADDITIONAL INFORMATION

Product Categories/Family for eNOS active protein	Cellular Analysis; Cell & Tissue Markers; Stem Cells
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40254422
NCBI GeneID	4846
NCBI Accession #	NP_000594.2
NCBI GenBank Nucleotide #	NM_000603.4
UniProt Accession #	P29474 ; Q13662 ; Q14251 ; Q14434 ; Q548C1 ; Q6GSL5 ; Q9UDC6 ; A0S0A7 ; A0S0A8 ; A8KA63 ; B2RCQ1 ; E9PFR2
Molecular Weight	~135kDa/subunit; homodimer.
NCBI Official Full Name	nitric oxide synthase, endothelial isoform 1
NCBI Official Synonym Full Names	nitric oxide synthase 3 (endothelial cell)
NCBI Official Symbol	NOS3

NCBI Official Synonym Symbols	eNOS; ECNOS
NCBI Protein Information	nitric oxide synthase, endothelial; cNOS; EC-NOS; NOSIII; NOS type III; endothelial NOS; constitutive NOS
UniProt Protein Name	Nitric oxide synthase, endothelial
UniProt Gene Name	NOS3
UniProt Synonym Gene Names	cNOS; eNOS; NOSIII
UniProt Entry Name	NOS3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sf9-insect-cells-active-protein/enos/77034>