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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

NOS3

Human, recombinant, N-terminal His-Flag tag

Catalog #: 70018

Lot#: 121019 **Conc.:** 0.42 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 260 mM imidazole, and 20% glycerol.

Stability: >6 months at -80 °C

References:

1. Marsden, P.A., *et al.*, *FEBS Lett.* 1992 Aug 3;**307(3)**:287-93.
2. Liu, Y., Feng, Q., *Differentiation.* 2012 Jul;**84(1)**:54-61.

Description:

Human nitric oxide synthase 3 (NOS3), also known as endothelial NOS (eNOS), (GenBank Accession No. NM_000603), amino acids 2 – 1203 (end) with N-terminal His-Flag tag, MW= 135 kDa, expressed in a baculovirus infected Sf9 cell expression system.

Application:

Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

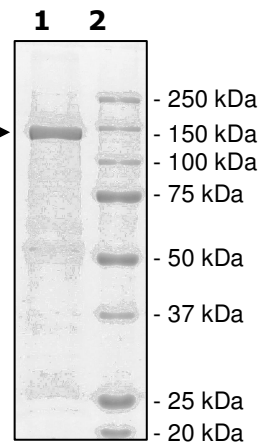
Quality Assurance

4-20% SDS-PAGE Coomassie staining

Lane 1:
1.6 µg NOS3 →

Lane 2:
Protein Marker

MW: 135 kDa
Purity: ≥71%



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Protein Sequence:

MHHHHHHHDYKDDDDKGNLKSV AQEPGPPCGLGLGLGLGLGKQGPATPAPEPSRA
PASLLPAP EHSPPSSPLTQPPEGPKFPRVKNWEVGSITYDTLSAQ AQDGPCTPRR
CLGSLVFP RKLQGRPSPGPPAPEQLLSQARDFINQYSSIKRSGSQAHEQRLQEVEA
EVAATGTYQLRESELVFGAKQAWRNAPRCVGRIQW GKLQVFDARDCRSAQEMFTYI
CNHIKYATNRGNLRS AITVFPQRCPGRGDFRIWNSQLVRYAGYRQQDGSVRGDPANV
EITELCIQHGWTPGNRFDVLP LLLQAPDDPEL FLLPPELVLEVP LEHPTLEWFAAL
GLRWYALPAVSNMLLEIGGLEFPAAPFSGWYMSTEIGTRNLCDPHRYNILEDVAVCM
DLDRTTSSLWKDKAAVEINVAVLHSYQLAKVTIVDHHAATASF MKHLENEQKARGG
CPADWAWIVPPISGSLTPVFHQEMVNYFLSPA FRYQDPWKGSAAKGTGITRKKTFK
EVANAVKISASLMGTVM AKRVKATILYGSETGRAQSYAQLGRLFRKAFDPRVLCMD
EYDVVSLEHETLVLVVTSTFGNGDPPENGESFAAALMEMSGPYNSSPRPEQHKS YKI
RFNSISCS DPLVSSWRRKRKESNTDSAGALGTLRFCV FGLGSRAYPHFCAFARA VD
TRLEELGGERLLQLGQGDEL CGQEEAFRGWAQA AAFQAACETFCVGEDAKAAARDIF
SPKR SWKRQR YRLSAQA EQLQLLPGLIHVHRRKMFQATIRSVENLQSSKSTRATILVR
LDTGGQEGLQYQPGDHIGVCPNRPGLVEALLSRVEDPPAPTEPVAVEQLEK GSPG
GPPPGWVRD PRLPPCTLRQALTFFLDITSPSPQLLRLLSTLAE EPREQQEAL SQD
PRRYE EWKWFRCPTLLEVLEQFPSVALPAP LLLTQLPLLQPRYYSVSSAPSTHPGEIH
LTVAVLAYRTQDGLGPLHYGVCSTWLSQLKPGDPVPCFIRGAPSFR LPPDPSLPCILV
GPGTGIAPFRGFWQERLHDIESKGLQPTM TLVFGCRCSQLDHLYRDEVQNAQQRG
VFGRVLTAFSREPDNPKTYVQDILRTELAAEVHRVLC LERGHMFCGDVTMATNVLQ
TVQRILATEGDMELDEAGDVIGVLRDQQR YHEDIFGLTLRTQEVT SRIRTQS FSLQERQ
LRGAVPWAFDPPGSDTNSP

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