cDNA Probe: Constitutive Nitric Oxide Synthase (bNOS)

Cat#	bNOS71-D	1 µg DNA/50 µl 10mM Tris-HCl, pH 7.5, 0.1 mM EDTA Store at -20°C

The cDNA probe is provided as a double stranded cDNA fragment in 50 µl buffer (10mM Tris-HCl, pH 7.5, 0.1 mM EDTA). The probe has 5' overhangs and >98 % purity. The probe is derived from a segment of rat neuronal constitutive nitric oxide synthase (bNOS) gene, which has a length of approximately 1.0 kbp. The probe may be labeled by radioactive or non-radioactive compounds using either random primer labeling or nick translation.

Northern blot analysis reveals a bNOS mRNA with an approximate size of 10.5 kbp in rat brain tissue. Rat bNOS is 98% homologous to murine and 93% homologous to human bNOS at the amino acid level.

References:

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