

Recombinant Human NOX1, His-tagged

Cat. No. NOX1-1335H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOX1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	292-560aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	NOX1 NADPH oxidase 1 [Homo sapiens]
Official Symbol	NOX1
Synonyms	NOX1; NADPH oxidase 1; GP91 2; mitogenic oxidase (pyridine nucleotide dependent superoxide generating); MOX1; NADPH oxidase 1 variant NOH 1L; NADPH oxidase homolog 1; NOH 1; NOH1; MOX-1; NOX-1; mitogenic oxidase 1; NADPH oxidase homolog-1; NADPH oxidase 1 variant NOH-1L; NADH/NADPH mitogenic oxidase

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	subunit P65-MOX; mitogenic oxidase (pyridine nucleotide-dependent superoxide-generating); NOH-1; GP91-2;
Gene ID	27035
mRNA Refseq	NM_007052
Protein Refseq	NP_008983
MIM	300225
UniProt ID	Q9Y5S8
Chromosome Location	Xq22
Pathway	Leukocyte transendothelial migration, organism-specific biosystem; Leukocyte transendothelial migration, conserved biosystem; Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved biosystem; RAC1 signaling pathway, organism-specific biosystem;
Function	NADP binding; Rac GTPase binding; electron carrier activity; flavin adenine dinucleotide binding; iron ion binding; metal ion binding; oxidoreductase activity; protein binding; superoxide-generating NADPH oxidase activity; superoxide-generating NADPH oxid