Recombinant Human NOX1 protein, His-tagged

Cat. No. NOX1-1359H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOX1(Met235~Asn488) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met235~Asn488
Description	This gene encodes a member of the NADPH oxidase family of enzymes responsible for the catalytic one-electron transfer of oxygen to generate superoxide or hydrogen peroxide. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	31.1kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.

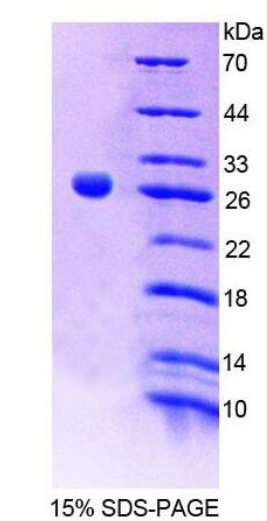
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.

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 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

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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 oxidase activity; voltage-gated ion channel activity; voltage-gated proton channel activity;
	 15% SDS-PAGE

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