

Recombinant Human NOX4 Protein (Gly210-Glu424), His tagged

Cat. No. NOX4-2783H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NOX4 (Gly210-Glu424) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly210-Glu424
Description	NADPH Oxidase 4 (NOX4), a member of the NOX family, has emerged as a significant source of reactive oxygen species, playing an important role in tumor cell proliferation, apoptosis, and other physiological processes. NADPH oxidase 4 (NOX4) plays a major role in renal oxidative stress of diabetic kidney disease (DKD). NADPH oxidase 4 (Nox4), a member of the NADPH oxidases, is the major source of reactive oxygen species (ROS) and its expression is increased in sepsis.
Molecular Mass	25.27 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the

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	date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	NOX4 NADPH oxidase 4 [Homo sapiens (human)]
Official Symbol	NOX4
Synonyms	NOX4; NADPH oxidase 4; KOX; KOX 1; kidney oxidase-1; renal NAD (P) H-oxidase; kidney superoxide-producing NADPH oxidase; KOX-1; RENOX;
Gene ID	50507
mRNA Refseq	NM_001143836
Protein Refseq	NP_001137308
MIM	605261
UniProt ID	Q9NPH5

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