Recombinant Human NOX5 protein, His & T7-tagged

Cat. No. NOX5-2797H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOX5 aa. (Ser456~Phe765 (Accession # Q96PH1)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser456~Phe765
Description	This gene is predominantly expressed in the testis and lymphocyte-rich areas of spleen and lymph nodes. It encodes a calcium-dependen NADPH oxidase that generates superoxide, and functions as a calcium-dependent proton channel that may regulate redox-dependent processes in lymphocytes and spermatozoa. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.6kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.8.

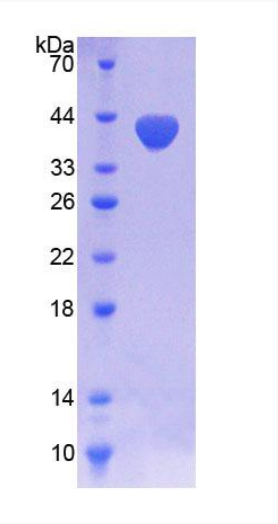
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	NOX5 NADPH oxidase 5 [Homo sapiens (human)]
Official Symbol	NOX5
Synonyms	NADPH oxidase, EF-hand calcium binding domain 5; NADPH oxidase 5
Gene ID	79400
mRNA Refseq	NM_001184779.1
Protein Refseq	NP_001171708.1
UniProt ID	Q96PH1

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SDS-PAGE	

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