

Proteoliposomes

Full-Length

NOX4 (Human) Recombinant Protein

Catalog # H00050507-G01

Size 2 ug

Specification

Product Description

Human NOX4 full-length ORF (ADZ15621.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MAVSWRSWLANEGVKHLCLFWLSMNVLFWKTFLLYNQGPEYHYLHQLGLGLCLSRASASVL
NLNCSLILLPMCRTLLAYLRGSQKVPSRRTRRLDKSRTFHITCGVTICIFSGVHVAHLVNALNFSV
NYSEDFVELNAARYRDEDPRKLLFTVPGLTGVCMVVFLMITASTYAIRVSNYDIFWYTHNLFFV
FYMLLTLHVSGGLLKYQTNLDTHPPGCISLNRSSQNLSLPEYFSEHFHEPFEGFSKPAEFTQHK
FVKICMEEPFRQANFPQTLWLWISGPLCLYCAERLYRYSNKPVTIISVISHPSDVMEIRMVKENFKA
RPGQYTLHCPSVSALENHPFTLTMCPTETKATFGVHLKIVGDWTERFRDLLPPSSQDSEILPFIQ
SRNYPKLYIDGPFPGSPFEESLNYEVSLCVAGGIGVTPFASILNTLLDDWKPYKLRRLYFIWVCRDIQ
SFRWFADLLCMLHNKFWQENRPDYVNIQLYLSQTDGIQKIIGEKYHALNSRLFIGRPRWKLLFDEIA
KYNRGKTVGVFCCGPNLSKTLHKLSNQNNSYGTRFEYNKESFS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.6

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — NOX4

Entrez GeneID [50507](#)

GeneBank Accession# [JF432404.1](#)

Protein Accession# [ADZ15621.1](#)

Gene Name NOX4

Gene Alias KOX, KOX-1, RENOX

Gene Description NADPH oxidase 4

Omim ID [605261](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the NOX-family of enzymes that functions as the catalytic subunit the NADPH oxidase complex. The encoded protein is localized to non-phagocytic cells where it acts as an oxygen sensor and catalyzes the reduction of molecular oxygen to various reactive oxygen species (ROS). The ROS generated by this protein have been implicated in numerous biological functions including signal transduction, cell differentiation and tumor cell growth. A pseudogene has been identified on the other arm of chromosome 11. Alternative splicing results in multiple transcript variants

Other Designations kidney superoxide-producing NADPH oxidase|renal NAD(P)H-oxidase

Disease

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