

Product datasheet

Recombinant Human NOX2/gp91phox protein ab114183

[1 Image](#)

Description

Product name	Recombinant Human NOX2/gp91phox protein
Expression system	Wheat germ
Accession	<u>P04839</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	LFNVEWCVNARVNNNDPYSVALSELGDRQNESYLNFAK RIKNPEGGLYL AV
Predicted molecular weight	31 kDa including tags
Amino acids	120 to 171

Specifications

Our **Abpromise guarantee** covers the use of **ab114183** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
	Western blot
	ELISA
Form	Liquid

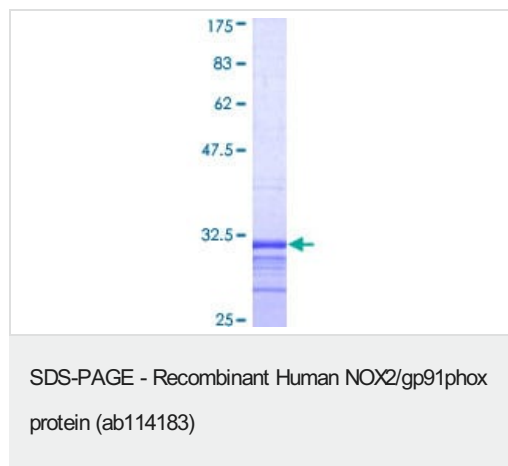
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
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General Info

Function	Critical component of the membrane-bound oxidase of phagocytes that generates superoxide. It is the terminal component of a respiratory chain that transfers single electrons from cytoplasmic NADPH across the plasma membrane to molecular oxygen on the exterior. Also functions as a voltage-gated proton channel that mediates the H(+) currents of resting phagocytes. It participates in the regulation of cellular pH and is blocked by zinc.
Involvement in disease	Defects in CYBB are a cause of chronic granulomatous disease X-linked (XCGD) [MIM:306400]. Chronic granulomatous disease is a genetically heterogeneous disorder characterized by the inability of neutrophils and phagocytes to kill microbes that they have ingested. Patients suffer from life-threatening bacterial/fungal infections.
Sequence similarities	Contains 1 FAD-binding FR-type domain. Contains 1 ferric oxidoreductase domain.
Post-translational modifications	Glycosylated.
Cellular localization	Membrane.

Images



ab114183 on a 12.5% SDS-PAGE Stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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