

Product datasheet

Recombinant Human NOX2/gp91phox protein ab114183

[1 Image](#)

Description

Product name	Recombinant Human NOX2/gp91phox protein	
Expression system	Wheat germ	
Accession	P04839	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	LFNVEWCVNARVNNNDPYSVALSELGDRQNESYLNFKARK 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

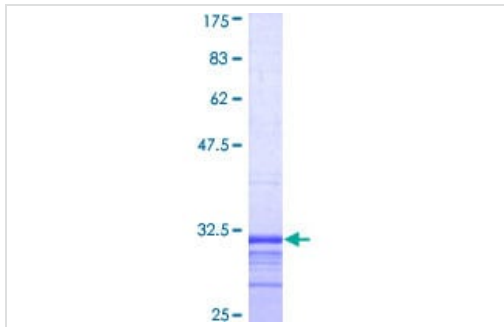
Preparation and Storage

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.

SDS-PAGE - Recombinant Human NOX2/gp91phox protein (ab114183)

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

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