

Product Information

MemDX™ Membrane Protein Human CYBA (Cytochrome b-245 alpha chain)

Cat. No.: **MP0027F**

This product is for research use only and is not intended for diagnostic use.

The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CYBA

Protein Length

Full Length

Protein Class

Enzyme

Molecular Weight

22 kDa

TMD

2

Sequence

MGQIEWAMWANEQALASGLILITGGIVATAGRFTQWYFGAYSIVAGVFVCLLEYPRGKRK
KGSTMERWGQKYMTAVVKLFPGFTRNYYVRAVLHLLSVAPAGFLLATILGTACLAIASGI
YLLAAVRGEQWTPIEPKPRERPQIGGTIKQPPSNPPPRPPAEARKKPSEEEAAVAAGGPP
GGPQVNPIPVTDVV

Product Description

Activity

Yes

Application

Screening & display technologies, protein therapy

Expression Systems

Cell-free expression system

Tag

Histidine tag fused to the N-terminal end of the protein

Protein Format

Proteoliposome

Form

Powder

Purification

Sucrose gradient

Purity

>60% by SDS-Page and Coomassie Blue staining

Buffer

Tris 50mM, pH 7.5

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

CYBA

Full Name

Cytochrome b-245 alpha chain

Introduction

Cytochrome b is comprised of a light chain (alpha) and a heavy chain (beta). This gene encodes the light, alpha subunit which has been proposed as a primary component of the microbicidal oxidase system of phagocytes. Mutations in this gene are associated with autosomal recessive chronic granulomatous disease (CGD), that is characterized by the failure of activated phagocytes to generate superoxide, which is important for the microbicidal activity of these cells.

Alternative Names

p22-PHOX

Gene ID

[1535](#)

UniProt ID

[P13498](#)