

Recombinant Human CYBB Protein (283-570 aa), His-SUMO-tagged

Cat. No. CYBB-443H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human CYBB Protein (283-570 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cancer. Protein Description: Partial.

Species Human

Source E.coli

ProteinLength 283-570 aa

Description Critical component of the mbrane-bound oxidase of phagocytes that generates superoxide. It is the terminal component of a respiratory chain that transfers single electrons from Cytoplasmic domain NADPH across the plasma mbrane 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.

Form Tris-based buffer, 50% glycerol

Molecular Mass 49.2 kDa

AA Sequence ERLVRFWRSQQKVVITKVVTHPFKTIELQMKKKGFKMEVGQYIFVKCPKVSLEWHP
FTLTSAPPEEDFFSIHIRIVGDWTEGLFNACGCDKQEFQDAWKLPKIAVDGPFGTASE
DVFSYEVVMLVGAGIGVTPFASILKSVWYKYCNNATNLKLLKKIYFYWLCRDTHAFEW

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FADLLQLLESQMQERNNAGFLSYNIYLTGWDESQANHFVHHDEEKDVTGLKQKTL
YGRPNWDNEFKTIASQHPNTRIGVFLCGPEALAEATLSKQSISNSESGPRGVHVFIFNK
ENF

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [CYBB cytochrome b-245, beta polypeptide \[Homo sapiens \]](#)

Official Symbol [CYBB](#)

Synonyms CYBB; NOX2; CGD91-phox; NADPH oxidase 2; CGD; AMCBX2; GP91-1; GP91PHOX; p91-PHOX; GP91-PHOX;

Gene ID [1536](#)

mRNA Refseq [NM_000397](#)

Protein Refseq [NP_000388](#)

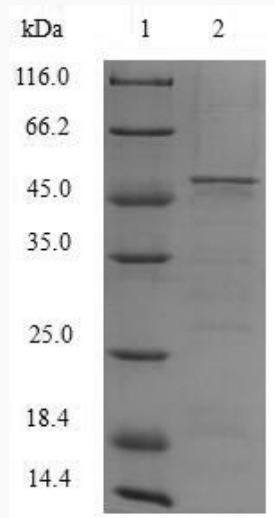
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 300481

UniProt ID P04839



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA