

Recombinant Full Length Human Cytochrome B-245 Heavy Chain(Cybb) Protein, His-Tagged

Cat. No. RFL34907HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Human Cytochrome b-245 heavy chain(CYBB) Protein (P04839) (2-570aa), fused to N-terminal His tag, was expressed in E. coli.

Species

Human

Source

E.coli

ProteinLength

Full Length of Mature Protein (2-570)

Form

Lyophilized powder

AA Sequence

GNWAVNEGLSIFVILVWLGLNVFLVWYYRVYDIPPKFFYTRKLLGSALALARAPAAC
LN FNCMLILLPVCRNLLSFLRGSSACCSTRVRRQLDRNLTFHKMVAWMIALHSAIHTI
AHLF NVEWCVNARVNNSDPYSVALSELGDRQNESYLNFAFKRIKNPEGGLYLAVTL
LAGITGVV ITLCLILIITSSTKTIRRSYFEVFWYTHHLFVIFFIGLAIHGAERIVRGQTAES
LAVHNI TVCEQKISEWGGIKCEPIQFAGNPPMTWKWIVGPMFLYLRCERLVRFWRS
QQKVITKVV THPFKTIELQMKKKGFKMEVGQYIFVKCPKVSLEWHPFTLTSAPPEE
DFFSIHIRIVGDW TEGLFNACGCDKQEFQDAWKLPKIAVDGPFGTASEDVFSYEVV
MLVGAGIGVTPFASILK SVWYKYCANNATNLKLLKIIFYWLCRDTHAFEWFADLLQLL
ESQMQRNAGFLSYNIYLT GWDESQANHFVHHDDEEKDVITGLKQKTLYGRPNW
DNEFKTIASQHPNTRIGVFLCGPEA LAETLSKQSSISNSES GPRGVHFIFNKENF

Purity

Greater than 90% as determined by SDS-PAGE.

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Applications	SDS-PAGE
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.
Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
GENE INFORMATION	
Gene Name	CYBB
Synonyms	AMCBX2; CGD; CGD91-phox; CY24B_HUMAN; CYBB; Cytochrome b 245; beta polypeptide; Cytochrome b(558) beta chain; Cytochrome b(558) subunit beta; Cytochrome b-245 heavy chain; Cytochrome b558 subunit beta; GP91 PHOX; gp91-1; gp91-phox; GP91PHOX; Heme-binding
UniProt ID	P04839

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