

## Recombinant Human CYBB protein, His-tagged

Cat. No. CYBB-2781H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CYBB protein(P04839)(283-570aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	283-570aa
<b>Form</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Molecular Mass</b>	37.2 kDa
<b>AA Sequence</b>	ERLVRFWRSQQKVVITKVVTHPFKTIELQMKKKGFKMEVGQYIFVKCPKVS KLEWHP FTLTSAPEEDFFSIHIRIVGDWTEGLFNACGCDKQEFQDAWKLPKIAVDGPPFGTASE DVFSYEVVMLVGAGIGVTPFASILKSVWYKYCNNATNLKLLKKIYFYWL CRDTHAFEW FADLLQLLESQMQRN NAGFLSYNIYLTGWDESQANHFVHHDEEKD VITGLKQKTL YGRPNWDNEFKTIASQHPNTRIGVFLCGPEALAE TL SKQSISNSESGPRGVH FIFNK ENF
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.

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**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution** 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%.

## GENE INFORMATION

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

**Official Symbol** [CYBB](#)

**Synonyms** CYBB; cytochrome b-245, beta polypeptide; CGD, chronic granulomatous disease; cytochrome b-245 heavy chain; GP91 PHOX; NOX2; CGD91-phox; NADPH oxidase 2; p22 phagocyte B-cytochrome; cytochrome b558 subunit beta; cytochrome b(558) subunit beta; neutrophil cytochrome b 91 kDa polypeptide; heme-binding membrane glycoprotein gp91phox; superoxide-generating NADPH oxidase heavy chain subunit; CGD; AMCBX2; GP91-1; GP91PHOX; p91-PHOX; GP91-PHOX;

**Gene ID** [1536](#)

**mRNA Refseq** [NM\\_000397](#)

**Protein Refseq** [NP\\_000388](#)

**MIM** [300481](#)

**UniProt ID** [P04839](#)

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