

## 32-7195: Recombinant Human Cytochrome b5/CYB5A (N-6His)(Discontinued)

**Gene :** CYB5A  
**Gene ID :** 1528  
**Uniprot ID :** P00167

### Description

Source: E.coli.  
MW :17.5kD.

Recombinant Human Cytochrome b5A is produced by our E.coli expression system and the target gene encoding Met1-Asp134 is expressed with a 6His tag at the N-terminus. Cytochrome b5 (CYB5A) is a membrane bound hemoprotein which function as an electron carrier for several membrane bound oxygenases. CYB5A contains one cytochrome b5 heme-binding domain and has two isoforms produced by alternative splicing. Isoform 1 is a single-pass membrane protein. Isoform 2 is located in cytoplasm. The defects in CYB5A can result in type IV hereditary methemoglobinemia.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 0.1mM EDTA, pH 7.25.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMAEQSDEAVKYITLLEIQKHNSKSTWLILHHKVYDLTKFLEEHPGGEEVLRE  
QAGGDATENFEDVGHSTDAREMSKTFIIGELHPDDRPKLNKPPETLITIDSSSSWWTNWVIPAISAVAVALMY  
RLYMAED

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.