

## 32-3642: CYB5A Recombinant Protein

**Alternative Name :** Cytochrome b5, Microsomal cytochrome b5 type A, MCB5, CYB5A, CYB5.

### Description

Source : Escherichia Coli. CYB5A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 132 amino acids (1-108 a.a) and having a molecular mass of 14.9kDa. CYB5A is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Cytochrome b5 isoform 1 (CYB5A) is a member of the cytochrome b5 family. CYB5A is a membrane bound hemoprotein which functions as an electron carrier for several membrane bound oxygenases. Defects in the CYB5A gene are the cause of methemoglobinemia CYB5A-related (METHB-CYB5A), which is a form of methemoglobinemia (a hematologic disease characterized by the presence of excessive amounts of methemoglobin in blood cells, resulting in decreased oxygen carrying capacity of the blood, cyanosis and hypoxia).

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	CYB5A protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSMAEQSD EAVKYYTLEE IQKHNHNSKST WLILHHKQYD LTKFLEEHPG GEEVLRQAG GDATENFEDV GHSTDAREMS KTFIIGELHP DDRPKLNKPP ETLITTIDSS SS.