

## 32-13187: CYB5A Human, Sf9

**Alternative Name :** Cytochrome b5 isoform 1, CYB5A, CYB5, MCB5, Microsomal cytochrome b5 type A.

### Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

Cytochrome b5 isoform 1 or CYB5A, is part of the cytochrome b5 family which is bound to the cell membrane. CYB5A has a key role in the stearyl-CoA-desaturase activity as it reduces ferric hemoglobin to ferrous hemoglobin. Cytochrome b5 isoform 1 performs as an electron carrier for numerous oxygenases that are imbedded in the cell membrane.

CYB5A produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 117 amino acids (1-108a.a.) and having a molecular mass of 13.3kDa. (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). CYB5A is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** CYB5A protein solution (1mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

**Storage condition :** 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.

**Amino Acid :** ADPMAEQSDE AVKYYTLEEI QKHNHNSKSTW LILHHKVYDL TKFLEEHPGG EEVLREQAGG DATENFEDVG HSTDAREMSK TFIIGELHPDDRPKLNKPPE TLITTIDSSS SHHHHHH.