

## 32-2239: CYB5R1 Recombinant Protein

**Alternative Name :** B5R.1,B5R1,B5R2,humb5R2,NQO3A2,NADH-cytochrome b5 reductase 1,CYB5R1,NAD (P) H: quinone oxidoreductase type 3 polypeptide A2.

### Description

Source : E.coli. CYB5R1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 330 amino acids (29-305) and having a molecular mass of 33.8kDa. CYB5R1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Cytochrome b5 reductase 1 (CYB5R1) is a part of the flavoprotein pyridine nucleotide cytochrome reductase family. CYB5R1 is engaged in desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin decrease.

### Product Info

**Amount :** 20 µg

**Purification :** Greater than 85% as determined by SDS-PAGE.

**Content :** The CYB5R1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

**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 :** MGSSHHHHHH SSGLVPRGSH MGSLVRRSRR PQVTLLDPNE KYLLRLLDKT TVSHNTKRFR  
FALPTAHHTL GLPVGKHIYL STRIDGSLVI RPYTPVTSDE DQGYVDLVIK VYLKGVHPKF  
PEGGKMSQYL DSLKVGDVVE FRGPSGLLTY TGKGHFNIQP NKKSPPEPRV AKKLGMIAGG  
TGITPMLQLI RAILKVPEDP TQCFLLFANQ TEKDIILRED LEELQARYPN RFKLWFTLDH  
PPKDWAYSKG FVTADMIREH LPAPGDDVLV LLCGPPPMVQ LACHPNLDKL GYSQKMRFTY.

