

## Cytochrome B5 Reductase 1 Human Recombinant

<b>Item Number</b>	rAP-1806
<b>Synonyms</b>	B5R.1, B5R1, B5R2, humb5R2, NQO3A2, NADH-cytochrome b5 reductase 1, CYB5R1, NAD (P) H: quinone oxidoreductase type 3 polypeptide A2.
<b>Description</b>	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.
<b>Uniprot Accession Number</b>	Q9UHQ9
<b>Amino Acid Sequence</b>	MGSSHHHHH SSGLVPRGSH MGSLVRRSRR PQVTLLDPNE KYLLRLLDKT TVSHNTKRFR FALPTAHHTL GLPVGKHIYL STRIDGSLVI RPYTPVTSDE DQGYVDLVIK VYLKGVHPKF PEGGKMSQYL DSLKVGDVVE FRGPSGLLY TGKGHFNIQP NKKSPPEPRV AKKLGMIAGG TGITPMLQLI RAILKVPEDP TQCFLFANQ TEKDIILRED LEELQARYPN RFKLWFTLDH PPKDWAYS KG FVTADMIREH LPAGDDVLV LLCGPPPMVQ LACHPNLDKL GYSQKMRFTY.
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. 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>Formulation and Purity</b>	The CYB5R1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Greater than 85% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**