

## Cytochrome B5 Reductase 3 Human Recombinant

<b>Item Number</b>	rAP-3144
<b>Synonyms</b>	Cytochrome b5 reductase 3, DIA1, B5R, Diaphorase (NADH) (cytochrome b-5 reductase), diaphorase-1, NADH-cytochrome b5 reductase 3 membrane-bound form, NADH-cytochrome b5 reductase 3 soluble form, Diaphorase-1, EC 1.6.2.2.
<b>Description</b>	CYB5R3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 300 amino acids (27-301) and having a molecular mass of 34.0kDa. CYB5R3 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P00387
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSHMFQRST PAITLESPDI KYPLRLIDRE IISHDTRRFR FALPSPQHIL GLPVGQHIYL SARIDGNLVV RPYTPISSDD DKGFVDLVIK VYFKDTHPKF PAGGKMSQYL ESMQIGDTIE FRGPGSGLLVY QGKGKFAIRP DKKSNPIIIRT VKSVMGMIAGG TGITPMLQVI RAIMKDPPDH TVCHLLFANQ TEKDILLRPE LEELRNKHSA RFKLWYTLDR APEAWDYGQG FVNEEMIRDH LPPPEEEPLV LMCGPPP-MIQ YACLPNLDHV GHPTERCFVF.
<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 CYB5R3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol. Greater than 95% 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 end users! This product is sold for **Research Use Only**