

Cytochrome B5 Reductase 3 Human Recombinant

Item Number	rAP-3144
Synonyms	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.
Description	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.
Uniprot Accession Number	P00387
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGS HMFQRST PAITLES PDI KYPLRLIDRE IISHDTRRFR FALPSPQHIL GLPVGQHIYL SARIDGNLVV RPYTPISSDD DKGFDLVK VYFKDTHPKF PAGGKMSQYL ESMQIGDTIE FRGPSGLLVY QGKGKFAIRP DKKSNIIRT VKSVGMIAGG TGITPMLQVI RAIMKDPDDH TVCHLLFANQ TEKDILLRPE LEELRNKHSA RFKLWYTLDR APEAWDYGG FVNEEMIRDH LPPPEEEPLV LMCGPPP-MIQ YACLPNLDHV GHPTERCFVF.
Source	E.coli.
Physical Appearance and Stability	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.
Formulation and Purity	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.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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**