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32-2240: CYB5R2 Recombinant Protein

Alternative Name : CYB5R2,Cytochrome B5 Reductase 2,EC 1.6.2.2,B5R.2,Cytochrome B5 Reductase B5R.2,NADH-Cytochrome B5 Reductase 2,b5R.2.

Description

Source : Escherichia Coli. CYB5R2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 299 amino acids (1-276 a.a.) and having a molecular mass of 33.8kDa. CYB5R2 is fused to a 23 amino acid His-tag at N-terminus. Cytochrome b5 reductase 2 (CYB5R2) is involved in desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction. CYB5R2 is responsible for NADH-dependent lucigenin chemiluminescence in spermatozoa by reducing both lucigenin and 2-[4-iodophenyl]-3-[4-nitrophenyl]-5-[2,4-disulfophenyl]-2H tetrazolium monosodium salt (WST-1).

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CYB5R2 protein solution (1mg/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 MGSMNSRRRE PITLQDPEAK YPLPLIEKEK ISHNTRRFRF GLPSPDHVLG LPVGNYVQLL AKIDNELVVR AYTPVSSDDD RGFVDLIIKI YFKNVHPQYP EGGKMTQYLE NMKIGETIFF RGPRGRLFYH GPGNLGIRPD QTSEPKKTLA DHLGMIAGGT GITPMLQLIR HITKDPSDRT RMSLIFANQT EEDILVRKEL EEIARTHPDQ FNLWYTLDRP PIGWKYSSGF VTADMIKEHL PPPAKSTLIL VCGPPPLIQT AAHPNLEKLG YTQDMIFTY.

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