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CYB5R2, 1-276aa, Human, His tag, E.coli

产品货号: TP01805

第三版

别名: Cytochrome b5 reductase 2, B5R.2

描述: Cytochrome b5 reductase 2, also known as CYB5R2, is involved in desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction. This protein 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). Recombinant human CYB5R2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量: 33.8 kDa (299aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMNSRRREPITLQDPEAKYPLPLIEKEKISHNTRRFRFGLPSPDHVLGLPVGNVYVQLLA
KIDNELVVRAYTPVSSDDDRGFVDLIIKIYFKNVHPQYPEGGKMTQYLENMKIGETIFFRGRGRLFYHGPGNLGIRPDQTS
EPKKTADHLGMIAGGTGITPMLQLIRHITKPSDRTRMSLIFANQTEEDILVRKELEEIARTHDPDQFNLWYTLDRPPIGWK
YSSGFVTADMIKEHLPPPAKSTLILVCGPPLIQTAHPNLEKLGYTQDMIFTY

纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.