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NFNB, 1-217aa, E.coli, His tag, E.coli

产品货号: TP03151

第三版

别名: dihydropteridine reductase, NAD(P)H-dependent, oxygen-insensitive, dprA, nfsB, nfsI, ntr

描述: NFNB, also known as NFSB, shows the ability to reduce quinines. This protein is an enzyme for activating prodrugs in antibody directed enzyme prodrug therapy. It also capable of reducing nitrofurazone, quinones and the anti-tumor agent CB1954 (5-(aziridin-1-yl)-2,4-dinitrobenzamide). The reduction of CB1954 results in the generation of cytotoxic species. Recombinant E.coli NFNB protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 50mM NaCl, 1mM DTT, 10% glycerol

分子量: 26.0 kDa (237aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMDIISVALKRHSTKAFDASKKLTPEQAEQIKTLLQYSPSSTNSQPWHFIVASTEELKARVA
KSAAGNYVFNERKMLDASHVVVFCAMDDVWLKLVVDQEDADGRFATPEAKAANDKGRKFFADMHRKDLHDDA
EWMKQVYLVNFGNLLGVAALGLDAVPIEGFDAAILDAAEFLKEKGYTSLVVVPVGHHSVEDFNATLPKSRLPQNITLTV

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.