

NFNB E.Coli

Description: NFNB Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 237 amino acids (1-217 a.a.) and having a molecular mass of 26 kDa. The NFNB is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: ENPS-430

For research use only.

Synonyms: DPRA, NFSB, NFSI, NTR.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MDIISVALKR HSTKAFDASK
KLTPEQAEQI KTLLQYSPSS TNSQPWHFIV ASTEEGKARV AKSAAGNYVF NERKMLDASH
VVVFCAKTAM DDVWLKLVVD QEDADGRFAT PEAKAANDKG RKFFADMHRK DLHDDAEWMA
KQVYLVGNF LLGVAALGLD AVPIEGFDAA ILDAEFGLE KGYTSLVVVP VGHHSVEDFN
ATLPKSRLPQ NI

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

1mg/ml solution containing 20mM Tris pH-8, 1mM DTT, 0.05M NaCl & 10% glycerol.

Stability:

NFNB Human although stable at 4C for 1 week, should be stored desiccated below -18C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

NFNB demonstrates the capability to reduce quinines. NFNB enzyme activates prodrugs in antibody directed enzyme prodrug therapy. NFNB reduces nitrofurazone, quinones and anti-tumor agent CB1954 (5-(aziridin-1-yl)-2,4-dinitrobenzamide). The reduction of CB1954 results in the generation of cytotoxic species.

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