
Product Data Sheet

Product Name: NFNB E.Coli
 Cat. No.: GP21999
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	DPRA; NFSB; NFSI; NTR.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MDIISVALKR HSTKAFDASK KLTPEQAEQI KTLQYSPSS TNSQPWHFIV ASTEEGKARV AKSAAGNYVF NERKMLDASH VVVFCAKTAM DDVWLKLVVD QEDADGRFAT PEAKAANDKG RKFFADMHRK DLHDDAEWMA KQVYLVGNF LLGVAALGLD AVPIEGFDAA ILDAEFGLE KGYTSLVVVP VGHHSVEDFN ATLPKSRLPQ NITLDEV.		
Formulation	1mg/ml solution containing 20mM Tris pH-8, 1mM DTT, 0.05M NaCl & 10% glycerol.		

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.

Stability

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.

Background

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 a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
