
Product Data Sheet

Product Name: TREX2 Human
 Cat. No.: GP22328
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Three Prime Repair Exonuclease 2; 3'-5' exonuclease TREX2 long form.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSEAPRAETF VFLDLEATGL PSVEPEIAEL SLFAVHRSSL ENPEHDESGA LVLPRVLDKL TLCMCPERPF TAKASEITGL SSEGLARCRK AGFDGAVVRT LQAFLSRQAG PICLVAHNGF DYDFPLLCAE LRRLGARLPR DTVCLDTLPA LRGLDRAHSH GTRARGRQGY SLGSLFHRYF RAEPSAAHSA EGDVHTLLLI FLHRAAELLA WADEQARGWA HIEPMYLPD DPSLEA		
Formulation	The TREX2 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 200mM NaCl, 5mM DTT and 30% glycerol.		

Introduction

TREX2 holds a 3-prime-to-5-prime exonuclease activity and eliminates mismatched, modified, fragmented, and normal nucleotides to produce the appropriate 3-prime termini for following steps in the DNA metabolic pathways. TREX2 has a role in DNA replication, repair, and recombination.

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

TREX2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 256 amino acids (1-236a.a.) and having a molecular mass of 28.0 kDa. TREX2 is fused to a 20 amino acid His-tag at N-terminus & 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

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