

## TREX2 Human

**Description:** 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.

**Catalog #:** ENPS-102

For research use only.

**Synonyms:** Three Prime Repair Exonuclease 2, 3'-5' exonuclease TREX2 long form.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHH SSGLVPRGSH MSEAPRAETF VFLDLEATGL  
PSVEPEIAEL SLFAVHRSSL ENPEHDESGA LVLPRVLDKL TLMCPERPF TAKASEITGL  
SSEGLARCRK AGFDGAVVRT LQAFLSRQAG PICLVAHNGF DYDFPLLCAE LRRLGARLPR  
DTVCLDTLPA LRGLDRAHSH GTRARGRQGY SLGSLFHRYF RAEPSAAHSA EGDVHTLLLI  
FLHRAAELLA WA

**Purity:** Greater than 95% as determined by SDS-PAGE.

### Formulation:

The TREX2 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 200mM NaCl, 5mM DTT and 30% glycerol.

### Usage:

NeoBiolabs 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:

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.

### Storage:

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.

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