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# **Recombinant human TREX2 protein**

Catalog Number: ATGP0970

# **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

1-236aa

#### UniProt No.

Q9BQ50

#### **NCBI Accession No.**

NP 542432

### **Alternative Names**

Three prime repair exonuclease 2

# PRODUCT SPECIFICATION

### **Molecular Weight**

28.0 kDa (256aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 5mM DTT, 30% glycerol

#### **Purity**

> 95% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

TREX2 is an enzyme containing 3-prime-to-5-prime exonuclease activity and removes mismatched, modified, fragmented, and normal nucleotides to generate the appropriate 3-prime termini for subsequent steps in the DNA metabolic pathways. This enzyme is involved in DNA replication, repair, and recombination. Recombinant human TREX2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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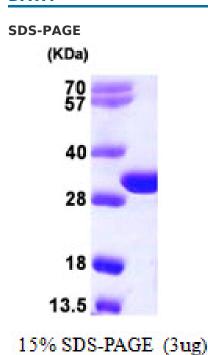
# **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MSEAPRAETF VFLDLEATGL PSVEPEIAEL SLFAVHRSSL ENPEHDESGA LVLPRVLDKL TLCMCPERPF TAKASEITGL SSEGLARCRK AGFDGAVVRT LQAFLSRQAG PICLVAHNGF DYDFPLLCAE LRRLGARLPR DTVCLDTLPA LRGLDRAHSH GTRARGRQGY SLGSLFHRYF RAEPSAAHSA EGDVHTLLLI FLHRAAELLA WADEQARGWA HIEPMYLPPD DPSLEA

#### **General References**

Parra D., et al. (2009) Cancer Res. 69(16):6676-84. Perrino FW., et al. (2008) J Biol Chem. 283(31):21441-52.

# **DATA**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

