

Recombinant Human TREX2, His-tagged

Cat. No. TREX2-965H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TREX2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-236 a.a.
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.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 30% glycerol.
Molecular Weight	28.0 kDa (256aa) confirmed by MALDI-TOF.
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MSEAPRAETF VFLDLEATGL PSVEPEIAEL SLFAV HRSSL ENPEHDESGA LVLPRVLDKL TLCMCPERPF TAKASEITGL

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SSEGLARCRK AG FDGAVVRT LQAFLSRQAG PICLVAHNGF DYDFPLLCAE
 LRRLGARLPR DTV CLDTLPA LRGLDRAHSH GTRARGRQGY SLGSLFHRYF
 RAEPSAAHSA EGD VH TLLLI FLHRAAELLA WADEQARGWA HIEPMYLPPD
 DPSLEA.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

TREX2 three prime repair exonuclease 2 [Homo sapiens]

Synonyms

three prime repair exonuclease 2; TREX2;three prime repair exonuclease 2;
 OTTHUMP00000025920; OTTHUM- P00000025922; 3"-5" exonuclease TRE- X2
 long form; EC 3.1.11.2; 3"-5" exonu clease TREX2

Gene ID

11219

mRNA Refseq

NM_080701

Protein Refseq

NP_542432

MIM

300370

UniProt ID

Q9BQ50

**Chromosome
Location**

Xq28

Function

3"-5"-exodeoxyribonuclease activity; exodeoxyribonuclease III activity; exonuclease
 activity; hydrolase activity; nucleic acid binding

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