

## Recombinant Human TREX1 protein, His-tagged

Cat. No. TREX1-8086H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TREX1 aa. (Arg6~Glu369) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Arg6~Glu369
<b>Description</b>	This gene encodes a nuclear protein with 3' exonuclease activity. The encoded protein may play a role in DNA repair and serve as a proofreading function for DNA polymerase. Mutations in this gene result in Aicardi-Goutieres syndrome, chilblain lupus, Cree encephalitis, and other diseases of the immune system. Alternative splicing results in multiple transcript variants.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	44kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 8.8.

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Concentration</b>	200µg/mL
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	TREX1 three prime repair exonuclease 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	TREX1
<b>Synonyms</b>	CRV; AGS1; DRN3; HERNS; 3' repair exonuclease 1; 3'-5' exonuclease TREX1; DNase III; deoxyribonuclease III; three-prime repair exonuclease 1
<b>Gene ID</b>	11277

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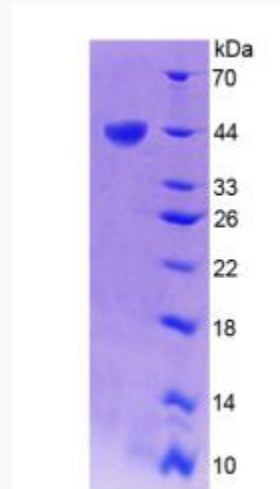
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mRNA Refseq [NM\\_007248.3](#)

Protein Refseq [NP\\_009179.2](#)

UniProt ID [Q9NSU2](#)

**SDS-PAGE**



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