

Recombinant Human TREX1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human TREX1 aa. (Arg6~Glu369) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg6~Glu369
Description	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.
Form	Freeze-dried powder
Molecular Mass	44kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.8.

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Applications	Positive Control; Immunogen; SDS-PAGE; WB
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

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

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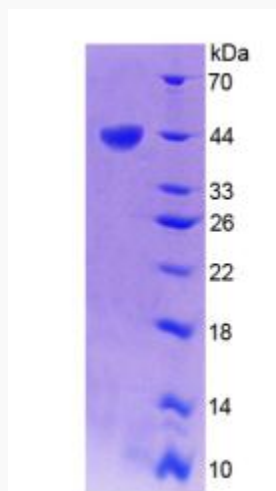
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mRNA Refseq [NM_007248.3](#)

Protein Refseq [NP_009179.2](#)

UniProt ID [Q9NSU2](#)

SDS-PAGE



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