



TREX1 blocking peptide (CDBP6357)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Sep 2012]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

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

mRNA Refseq	NM_007248
Protein Refseq	NP_009179
UniProt ID	Q9NSU2
Pathway	Cytosolic DNA-sensing pathway; Cytosolic sensors of pathogen-associated DNA; IRF3-mediated induction of type I IFN; Immune System; Innate Immune System; Regulation by TREX1; Regulation of innate immune responses to cytosolic DNA; STING mediated induction of host immune responses
Function	3'-5' exonuclease activity; 3'-5' exonuclease activity; 3'-5'-exodeoxyribonuclease activity; MutLalpha complex binding; MutSalpha complex binding; adenylyl deoxyribonucleotide binding; double-stranded DNA binding; exodeoxyribonuclease III activity; metal ion binding; metal ion binding; protein homodimerization activity; protein homodimerization activity; single-stranded DNA binding