Recombinant Human Three-prime repair exonuclease 1 (TREX1)

Product Code	CSB-YP865133HU
Abbreviation	TREX1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9NSU2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MGPGARRQGR IVQGRPEMCF CPPPTPLPPL RILTLGTHTP TPCSSPGSAA GTYPTMGSQA LPPGPMQTLI FFDMEATGLP FSQPKVTELC LLAVHRCALE SPPTSQGPPP TVPPPPRVVD KLSLCVAPGK ACSPAASEIT GLSTAVLAAH GRQCFDDNLA NLLLAFLRRQ PQPWCLVAHN GDRYDFPLLQ AELAMLGLTS ALDGAFCVDS ITALKALERA SSPSEHGPRK SYSLGSIYTR LYGQSPPDSH TAEGDVLALL SICQWRPQAL LRWVDAHARP FGTIRPMYGV TASARTKPRP SAVTTTAHLA TTRNTSPSLG ESRGTKDLPP VKDPGALSRE GLLAPLGLLA ILTLAVATLY GLSLATPGE
Source	Yeast
Target Names	TREX1
Protein Names	Recommended name: Three prime repair exonuclease 1 EC= 3.1.11.2Alternative name(s): 3'-5' exonuclease TREX1 DNase III
Expression Region	1-369
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes the major 3 ->5 DNA exonuclease in human cells. The protein is a non-processive exonuclease that may serve a proofreading function for a human DNA polymerase. It is also a component of the SET complex, and acts to rapidly degrade 3 ends of nicked DNA during granzyme A-mediated cell death. Mutations in this gene result in Aicardi-Goutieres syndrome, chilblain lupus, and Cree encephalitis. Multiple transcript variants encoding different isoforms have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final

	concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.