

Active Recombinant Mouse Trex1 protein, His&Myc-tagged

Cat. No. Trex1-4639M Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse Trex1 protein(Q91XB0)(1-314aa), fused with N-terminal His tag and C-terminal Myc tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	1-314aa
Tag	N-His&C-Myc
Form	Tris-based buffer, 50% glycerol.
Bio-activity	TREX1 exonuclease activity liberates free fluorophore from DNA containing a 5'-fluorophore and a 3'-quencher to generate a fluorescent signal. Compound-mediated inhibition of TREX1 activity would be anticipated to reduce fluorescent signal. All reactions were conducted in 20 uL total volumes in 384-well F-bottom polystyrene microplates at 25 °C. Assay buffer consisted of: 25 mM HEPES (pH 7.5), 20 mM KCl, 1 mM DTT, 0.1 mg/mL BSA, 0.01% Triton X-100, 0.25 mM EDTA and 10 mM MgCl ₂ . Reactions were initiated upon the addition dsDNA (oligo 1: /5TEX615/GCTAGGCAG and oligo 2: CTGCCTAGC/3IAbRQSp/ stocks in DNA duplex buffer at a final concentration of 230nM. Fluorescence was measured every two minutes for 60 minutes at 615 nm emission and 570 nm excitation at 25 °C using a NEO plate reader.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	41.1 kDa
Purity	Greater than 85% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
AA Sequence	MGSQTLPHGHMQTLIFLDLEATGLPSSRPEVTELCLLAVHRRALENTSISQGHPPPV PRPPRVVDKLSLCIAPGKACSPGASEITGLSKAELEVQGRQRFDDNLAILLRAFLQRQ PQPCCLVAHNGDRYDFPLLQTELARLSTPSPLDGTFCVDSIAALKALEQASSPSGNG SRKSYSLGSIYTRLYWQAPTDSHAEGDVLTLSSICQWKPQALLQWVDEHARPFST VKPMYGTTPATTGTTNLRPHAATATTPLATANGSPSNGRSRRPKSPPEKVPPEPSQ EGLLAPLSLLTLLTLAIATLYGLFLASPGQ

GENE INFORMATION

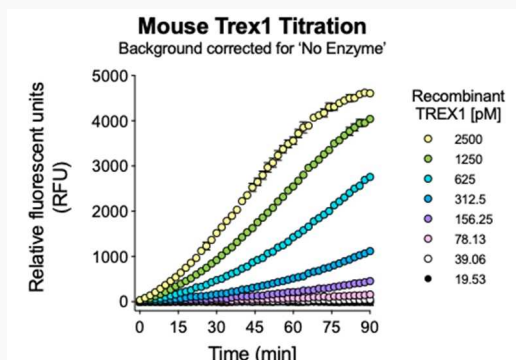
Gene Name	Trex1 three prime repair exonuclease 1 [Mus musculus]
Official Symbol	Trex1
Synonyms	TREX1; three prime repair exonuclease 1; DNase III; 3-5 exonuclease TREX1; trophoblast expressed 1; three prime exonuclease 1; 1661; AU041952;
Gene ID	22040
mRNA Refseq	NM_001012236
Protein Refseq	NP_001012236

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Activity



SDS-PAGE

