3'-5' Exonuclease Eri1 (eri1) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	3'-5' exonuclease eri1 (eri1), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe 3'-5' exonuclease eri1 (eri1)
Product Gene Name	eri1 recombinant protein
Product Synonym Gene Name	eri1
Sequence	MESPVQILVW PFPCDEMNQK TPSTVEEIRI ALQELGLSTN GNKEKLKRRW KFREKRLEEK RKQERYQKFS TSNENKTCLR YLLIVDVEAT CEEGCGFSFE NEIIELPCLL FDLIEKSIID EFHSYVRPSM NPTLSDYCKS LTGIQQCTVD KAPIFSDVLE ELFIFLRKHS NILVPSVDEI EIIEPLKSVP RTQPKNWAWA CDGPWDMASF LAKQFKYDKM PIPDWIKGPF VDIRSFYKDV YRVPRTNING MLEHWGLQFE GSEHRGIDDA RNLSRIVKKM CSENVEFECN RWWMEYEKNG WIPNRSYPPY FAS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	36,966 Da
Sequence Positions	1-313, Full length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q08I43
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for eri1 recombinant protein	MBS1310149 is a recombinant protein targeting eri1. Also known as Recombinant Schizosaccharomyces pombe 3'-5' exonuclease eri1 (eri1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of eri1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for eri1. It may not necessarily be applicable to this product.

NCBI GI #	162312186
NCBI GeneID	2540347
NCBI Accession #	XP_001713129.1
UniProt Primary Accession #	Q08I43
UniProt Secondary Accession #	O13668

GenBank Nucleotide #	XM_001713077.2
NCBI Official Symbol	eri1
UniProt Protein Name	3'-5' exonuclease eri1
UniProt Synonym Protein Names	Enhanced RNAi protein
Protein Family	3'-5' exonuclease
UniProt Gene Name	eri1
NCBI Protein Information	double-strand siRNA ribonuclease Eri1
UniProt Comments for eri1	RNA exonuclease that acts as a negative regulator of RNA interference (RNAi). Acts by degrading the 3'-overhangs of double-stranded short interfering RNAs (siRNAs). Represses the accumulation of heterochromatic siRNAs leading to negative regulation of the RNAi-mediated heterochromoatin assembly. Also involved in rRNA biogenesis, trimming the 5.8S ribosomal RNA (rRNA) from a slightly longer pre-5.8S RNA in the cytoplasm.
Research Articles on eri1	**1.** Study shows that ERI-1 performs 3' end processing of the 5.8S ribosomal RNA in both C. elegans and S. pombe.
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