

Recombinant Human ERN2 Protein, His-tagged

Cat. No. ERN2-1439H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ERN2 Protein (Leu35-Thr234) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu35-Thr234
Description	Enables several functions, including ATP binding activity; magnesium ion binding activity; and protein serine/threonine kinase activity. Involved in several processes, including apoptotic chromosome condensation; negative regulation of transcription, DNA-templated; and rRNA catabolic process. Predicted to be located in endoplasmic reticulum membrane and endoplasmic reticulum quality control compartment. Predicted to be integral component of membrane. Predicted to be part of IRE1-TRAF2-ASK1 complex.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.7 kDa Accurate Molecular Mass: 26 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	ERN2 endoplasmic reticulum to nucleus signaling 2 [Homo sapiens (human)]
Official Symbol	ERN2
Synonyms	ERN2; endoplasmic reticulum to nucleus signaling 2; ER to nucleus signalling 2; serine/threonine-protein kinase/endoribonuclease IRE2; IRE1b; hIRE2p; IRE1 beta; inositol-requiring 1 beta; inositol-requiring protein 2; IRE1, S. cerevisiae, homolog of; endoplasmic reticulum-to-nucleus signaling 2; endoplasmic reticulum to nucleus signalling 2; IRE1-BETA;
Gene ID	10595
mRNA Refseq	NM_033266
Protein Refseq	NP_150296
MIM	604034

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UniProt ID

Q76MJ5

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