



ERN1 blocking peptide (CDBP5598)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is the ER to nucleus signalling 1 protein, a human homologue of the yeast Ire1 gene product. This protein possesses intrinsic kinase activity and an endoribonuclease activity and it is important in altering gene expression as a response to endoplasmic reticulum-based stress signals. [provided by RefSeq, Jul 2008]
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	ERN1 endoplasmic reticulum to nucleus signaling 1 [Homo sapiens (human)]
Official Symbol	ERN1
Synonyms	ERN1; endoplasmic reticulum to nucleus signaling 1; IRE1; IRE1P; IRE1a; hIRE1p; serine/threonine-protein kinase/endoribonuclease IRE1; ire1-alpha; inositol-requiring 1; ER to nucleus signalling 1; inositol-requiring enzyme 1; inositol-requiring protein 1; protein kinase/endoribonuclease; endoplasmic reticulum-to-nucleus signaling 1
Entrez Gene ID	2081

mRNA Refseq	NM_001433
Protein Refseq	NP_001424
UniProt ID	O75460
Pathway	Alzheimer's disease; Alzheimers Disease; Corticotropin-releasing hormone; IRE1alpha activates chaperones; Metabolism of proteins; Non-alcoholic fatty liver disease (NAFLD); Protein processing in endoplasmic reticulum; Unfolded Protein Response (UPR)
Function	ATP binding; endoribonuclease activity; endoribonuclease activity; enzyme binding; identical protein binding; magnesium ion binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity