



## ERN1 blocking peptide (CDBP5596)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">ERN1 endoplasmic reticulum to nucleus signaling 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ERN1
<b>Synonyms</b>	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
<b>Entrez Gene ID</b>	<a href="#">2081</a>

<b>mRNA Refseq</b>	<a href="#">NM_001433</a>
<b>Protein Refseq</b>	<a href="#">NP_001424</a>
<b>UniProt ID</b>	O75460
<b>Pathway</b>	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)
<b>Function</b>	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