ERN1 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	ERN1, Recombinant Protein
Full Product Name	Recombinant Human ERN1
Product Gene Name	ERN1 recombinant protein
Product Synonym Names	Endoplasmic reticulum (ER) to nucleus signalling 1; Endoplasmic reticulum to nucleus signaling 1; Endoplasmic reticulum-to-nucleus signaling 1; Endoribonuclease; ER to nucleus signaling 1; ERN 1; Ern1; ERN1_HUMAN; hIRE 1p; hIRE1p; Inositol requiring 1; Inositol requiring 1; S. cerevisiae; homolog of; Inositol requiring enzyme 1; S. cerevisiae; homolog of; Inositol requiring protein 1
Host	E Coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% trehalose, pH7.4
Purity/Purification	Greater than 90% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	977
Sequence Positions	465-663
OMIM	604033
3D Structure	ModBase 3D Structure for O75460
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000rpm for 1 minute, reconstitute at 200ug/ml in sterile distilled water
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for ERN1 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for ERN1 recombinant protein	MBS7612859 is a recombinant protein targeting ERN1. Also known as Recombinant Human ERN1. Host: E Coli.
Other Notes	Small volumes of ERN1 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 ERN1. It may not necessarily be applicable to this product.

NCBI GI #	193806335
NCBI GeneID	2081
NCBI Accession #	O75460.2
UniProt Primary Accession #	O75460
UniProt Secondary Accession #	Q59EE2; A1L457; A8K8N8; A8MXS7

UniProt Related Accession #	O75460
NCBI Official Full Name	Serine/threonine-protein kinase/endoribonuclease IRE1
NCBI Official Synonym Full Names	endoplasmic reticulum to nucleus signaling 1
NCBI Official Symbol	ERN1
NCBI Official Synonym Symbols	IRE1; IRE1P; IRE1a; hIRE1p
UniProt Protein Name	Serine/threonine-protein kinase/endoribonuclease IRE1
UniProt Synonym Protein Names	Endoplasmic reticulum-to-nucleus signaling 1; Inositol-requiring protein 1; hIRE1p; Ire1-alpha; IRE1a
UniProt Gene Name	ERN1
UniProt Synonym Gene Names	hIRE1p; IRE1a
UniProt Entry Name	ERN1_HUMAN
NCBI Protein Information	serine/threonine-protein kinase/endoribonuclease IRE1; ERN1; ire1-alpha; inositol-requiring 1; ER to nucleus signalling 1; inositol-requiring enzyme 1; inositol-requiring protein 1; endoplasmic reticulum-to-nucleus signaling 1
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