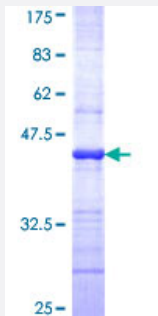


ERN1 (Human) Recombinant Protein (Q01)

Catalog # H00002081-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ERN1 partial ORF (AAC25991, 401 a.a. - 500 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	EEVINLVDQTSENAPTTVSRDVEEKPAHAPARPEAPVDSMLKDMATIILSTFLLIGWVAFIITYPLSM HQQQQLQHQQFQKELEKIQLLQQQQQLPFHP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (85); Rat (87)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ERN1

Entrez GeneID [2081](#)

GeneBank Accession# [AF059198](#)

Protein Accession# [AAC25991](#)

Gene Name ERN1

Gene Alias FLJ30999, IRE1, IRE1P, MGC163277, MGC163279

Gene Description endoplasmic reticulum to nucleus signaling 1

Omim ID [604033](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations ER to nucleus signalling 1|endoplasmic reticulum to nucleus signalling 1|inositol-requiring 1|protein kinase/endoribonuclease

Disease

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- [Diabetes Mellitus](#)
- [Edema](#)

- [Head and Neck Neoplasms](#)
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- [Neoplasm Recurrence](#)
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