

## Recombinant Human ERN2 protein, His-tagged

**Cat. No.** ERN2-3638H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ERN2 protein(452-563 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 452-563 aa                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole. |
| <b>AA Sequence</b>      | SLSREKLWDSSELHPEEKTPDSYLGLGPQDLLAASLTAVLLGGWILFVMRQQQPQVV<br>EKQQETPLAPADFAHISQDAQSLHSGASRRSQKRLQSPSKQAQPLDDPEAEQLTVV                                                                                                                                                               |
| <b>Purity</b>           | 90%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                                |
| <b>Reconstitution</b>   | Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.<br>Reconstitution with 200 μl 50% glycerol solution is recommended for longer term                                                                                                                        |

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storage.

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ERN2 endoplasmic reticulum to nucleus signaling 2 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | ERN2                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 10595                                                                                                                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_033266                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_150296                                                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>             | 604034                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>      | Q76MJ5                                                                                                                                                                                                                                                                                                                                                             |

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