

## Recombinant Human ERN2 protein, His-tagged

**Cat. No.** ERN2-677H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human ERN2(aa 452-926) fused with His tag was expressed in HEK293.   |
| <b>Species</b>          | Human  |
| <b>Source</b>           | HEK293   |
| <b>ProteinLength</b>    | aa 452-926   |
| <b>Form</b>             | Tris-based buffer,50% glycerol   |
| <b>AA Sequence</b>      | RQQQPQVVE KQQETPLAPA DFAHISQDAQ SLHSGASRRS QKRLQSPSKQ<br>AQPLDDPEAE QLTVVGKISF NPKDVLGRGA GGTFVFRGQF EGRAVAVKRL<br>LRECFGLVRR EVQLLQESDR HPNVLRYFCT ERGPQFHYYA LELCRASLQE<br>YVENPDLDRG GLEPEVVLQQ LMSGLAHLHS LHIVHRDLKP GNILITGPDS<br>QGLGRVVLSDFGLCKKLPAG RCSFSLHSGI PGTEGWMAPE LLQLLPPDSP<br>TSAVDIFSAG CVFYVVLSSG SHPFGDSLVR QANILTGAPC LAHLEEEVHD<br>KVVARDLVGA MLSPLPQPRP SAPQVLAHPF FWSRAKQLQF FQDVSDWLEK<br>ESEQEPLVRA LEAGGCAVVR DNWHEHISMP LQTDLRKFRS YKGTSVRDLL<br>RAVRNKKHHY RELPVEVRQA LGQVPDGFVQ YFTNRFPRL LHTHRAMRSC<br>ASESLFLPYYPDPSEARRPC PGATGR |
| <b>Purity</b>           | >90% ( SDS-PAGE )  |
| <b>Storage</b>          | Store at -20 centigrade, for extended storage, conserve at -20 centigrade or -80   |

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centigrade. Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

## 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   |
| <b>Chromosome Location</b> | 16p12.2  |
| <b>Function</b>            | ATP binding; endonuclease activity; endoribonuclease activity, producing 5-phosphomonoesters; hydrolase activity; magnesium ion binding; nucleotide binding; protein serine/threonine kinase activity;   |

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