

Active Recombinant Human IRE1 protein(Pro465-Leu977)

Cat. No. IRE1-3230H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ERN1 (O75460-1) (Pro 465-Leu 977) was expressed and purified in Insect Cells with two additional amino acids (Gly & Pro) at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Pro465-Leu977
Form	Supplied as sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4.
Bio-activity	Measured by its nuclease activity to cleave Xbp1 single stem-loop mini-substrate.
Molecular Mass	The secreted recombinant human ERN1 consists of 515 amino acids and predicts a molecular mass of 58.3 KDa. The apparent molecular mass of the protein is approximately 65 KDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 80 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Concentration

Please refer to the datasheet for detailed information.

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