

Active Recombinant Human IRE1 protein, His&GST-tagged

Cat. No. ERN1-1124H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IRE1 protein(O75460-1)(Pro465-Leu977), fused with His tag and GST tag, was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	465-977 a.a.
Form	Supplied as sterile 20mM Tris, 500M NaCl, 25% glycerol, 0.1mM EDTA, 0.5mM TCEP, 2mM GSH, pH 7.5. Please contact us for any concerns or special requirements. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	The specific activity was determined to be 5 nmol/min/mg using MBP as substrate
Molecular Mass	The recombinant human ERN1/GST chimera consists of 750 amino acids and has a calculated molecular mass of 86 kDa. It migrates as an approximately 90 kDa band in SDS-PAGE under reducing conditions.
Proteinlength	Pro465-Leu977
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 80 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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