

Recombinant Human ERN1, Gly & Pro tagged

Cat. No. ERN1-466H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ERN1 (O75460-1) (Pro465-Leu977), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in Baculovirus-Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	465-977 a.a.
Predicted N Terminal	Gly
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
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
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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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. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	ERN1 endoplasmic reticulum to nucleus signaling 1 [Homo sapiens]
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Official Symbol	ERN1
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Gene ID	2081
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mRNA Refseq	NM_001433
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Protein Refseq	NP_001424
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MIM	604033
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UniProt ID	O75460
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Chromosome Location	17q23
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