Recombinant Human ERN1 (IRE1) (N-GST tag)

Cat No:HR2R1375

For research use only

Overview

Quantity	10 ?g
Gene Symbol	ERN1 (IRE1)
Gene ID	N/A
Accession	NM_001433
Alternative Name	hIRE1p; IRE1; IRE1A; IRE1P
Species	Human
Source	Insect cells
Description	ERN1 or endoplasmic reticulum to nucleus signaling 1 is the ER to nucleus signalling 1 protein, a human homologue of the yeast Ire1 gene product which possesses intrinsic kinase activity and an endoribonuclease activity and it is important in endoplasmic reticulum-based stress signals. ERN1 controls IRE1 proteolysis in mammalian cells . The activation of ERN1 through oligomerization expands the mechanistic repertoire of kinase-based signaling receptors. ERNI has a critical function in extraembryonic cells that is essential for fetal viability .
Functions	The specific activity of ERN1 (IRE1)was determined to be 55nmol/min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	87
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.