

Recombinant Human RIOK1 Protein (D2-K568), His/GST tagged

Cat. No. RIOK1-0600H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-GST-TEV-GG-RIOK1(D2-K568 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	D2-K568
Description	Involved in the final steps of cytoplasmic maturation of the 40S ribosomal subunit. Involved in processing of 18S-E pre-rRNA to the mature 18S rRNA. Required for the recycling of NOB1 and PNO1 from the late 40S precursor. The association with the very late 40S subunit intermediate may involve a translation-like checkpoint point cycle preceeding the binding to the 60S ribosomal subunit. Despite the protein kinase domain is proposed to act predominantly as an ATPase. The catalytic activity regulates its dynamic association with the 40S subunit. In addition to its role in ribosomal biogenesis acts as an adapter protein by recruiting NCL/nucleolin the to PRMT5 complex for its symmetrical methylation.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	RIOK1 RIO kinase 1 (yeast) [Homo sapiens (human)]
Official Symbol	RIOK1
Synonyms	RIOK1; RIO kinase 1 (yeast); serine/threonine-protein kinase RIO1; AD034; bA288G3.1; FLJ30006; RRP10; MGC12903;
Gene ID	83732
mRNA Refseq	NM_031480
Protein Refseq	NP_113668
UniProt ID	Q9BRS2

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