

KRR1 抗原（重组蛋白）

中文名称：KRR1 抗原（重组蛋白）

英文名称：KRR1 Antigen (Recombinant Protein)

别名：KRR1, small subunit processome component homolog; HRB2; RIP-1

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 182-381 amino acids of human KRR1

技术规格：

Full name:	KRR1, small subunit processome component homolog
Synonyms:	HRB2; RIP-1
Swissprot:	Q13601
Gene Accession:	BC016778
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The SSU is a large ribonucleoprotein consisting of at least 40 proteins and the U3 small nucleolar RNA. It is involved in pre-rRNA processing and ribosome assembly. The SSU is necessary for the biogenesis of the 18S rRNA. Cells that are depleted of SSU proteins will arrest in the G1 phase of the cell cycle. KRR1, also known as HRB2 (HIV-1 Rev binding protein 2) or RIP-1 (Rev interacting protein 1), is a nonribosomal component of the small subunit processome (SSU). KRR1 is 381 amino acids in length and is evolutionarily conserved among human, yeast, fly, nematode and rice. KRR1 localizes to the nucleolus and is highly expressed in dividing cells. It contains one conserved KH domain (RNA

-binding motif) and is a crucial component of the SSU, required for both rRNA maturation and ribosome biogenesis.