

RRP8 抗原（重组蛋白）

中文名称：RRP8 抗原（重组蛋白）

英文名称：RRP8 Antigen (Recombinant Protein)

别名：NML; KIAA0409

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 257-456 amino acids of human RRP8

技术规格：

Full name:	ribosomal RNA processing 8
Synonyms:	NML; KIAA0409
Swissprot:	O43159
Gene Accession:	BC001071
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	Essential component of the eNoSC (energy-dependent nucleolar silencing) complex, a complex that mediates silencing of rDNA in response to intracellular energy status and acts by recruiting histone-modifying enzymes. The eNoSC complex is able to sense the energy status of cell: upon glucose starvation, elevation of NAD ⁺ /NADP ⁺ ratio activates SIRT1, leading to histone H3 deacetylation followed by dimethylation of H3 at 'Lys-9' (H3K9me2) by SUV39H1 and the formation of silent chromatin in the rDNA locus. In the complex, RRP8 binds to H3K9me2 and probably acts as a methyltransferase. Its substrates are however unknown.