

## 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：

<b>Full name:</b>	ribosomal RNA processing 8
<b>Synonyms:</b>	NML; KIAA0409
<b>Swissprot:</b>	O43159
<b>Gene Accession:</b>	BC001071
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	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 <sup>+</sup> /NADP <sup>+</sup> ratio activates SIRT1, leading to histone H3 deacetylation followed by dimethylation of H3 at 'Lys-9' (H3K9me2) by S

UV39H1 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.