

# Recombinant Human RRP8

Catalog No: #GP13404



Package Size: #GP13404-1 100ug

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## Description

Product Name	Recombinant Human RRP8
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 257-456 amino acids of human RRP8
Target Name	ribosomal RNA processing 8
Other Names	NML; KIAA0409
Accession No.	Swissprot:O43159Gene Accession:BC001071
Uniprot	O43159
GeneID	23378;
Storage	-20~-80°C, pH 7.6 PBS

## 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<sup>+</sup>/NADP<sup>+</sup> 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.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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