

Product datasheet for **TP300844L**

RRP8 (NM_015324) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ribosomal RNA processing 8, methyltransferase, homolog (yeast) (RRP8), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200844 protein sequence Red =Cloning site Green =Tags(s)

MFEPEWAEAAPVAAGLGPVISRPPPAASSQNKGSKRRQLLATLRLEAASLSQHPPSLCISDSEEEEE
RKKKCPKKASFASASAEVGGKGGKQKQGPPCSDSEEEVERKKKCHKQALVGSDSAEDKRRKRCQKHA
PINSQHLDNVDQTGPKAWKGSTTNDPPKQSPGSTSPKPPHTLSRKQWRNRQKNKRRCKNKFQPPQV
PDQ
APAEAPTEKTEVSPVPRDTSHEARAGALRARMAQRLDGARFRYLNEQLYSGPSSAAQRLFQEDPEAFLLY
HRGFQSQVKKWPLQPVDRIARDLRQPASLVVADFGCGDCRLASSIRNPVHCFDLASLDRVTVCDMAQ
V
PLEDESVDVAVFCLSLMGTNIRDFLEEANRVLKPGGLLKVAEVSSRFEDVRTFLRAVTKLGFKIVSKDLT
NSHFFLDFQKTGPPLVGPKAQLSGLQLQPCLYKRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

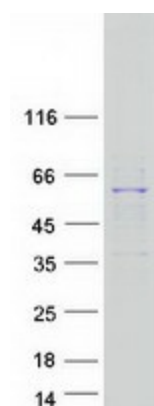
Tag:	C-Myc/DDK
Predicted MW:	50.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_056139
Locus ID:	23378
UniProt ID:	O43159
RefSeq Size:	1762
Cytogenetics:	11p15.4
RefSeq ORF:	1368
Synonyms:	KIAA0409; NML
Summary:	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.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified RRP8 protein (Cat# [TP300844]). The protein was produced from HEK293T cells transfected with RRP8 cDNA clone (Cat# [RC200844]) using MegaTran 2.0 (Cat# [TT210002]).