

Datasheet for ABIN7555285
RRP8 Protein (AA 1-456) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	RRP8
Protein Characteristics:	AA 1-456
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RRP8 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat RRP8 Protein expressed in mammalian cells.
Sequence:	<p>MFEEPEWAEA APVAAGLGPV ISRPPPAASS QNKGSKRRQL LATLRALEAA SLSQHPPSLC ISDSEEEEE RKKKCPKKAS FASASAEVGK KGKKKCQKQG PPCSDSEEEV ERKKKCHKQA LVGSDSAEDE KRKRKCQKHA PINSAQHLDN VDQTGPKAWK GSTTNDPPKQ SPGSTSPKPP HTLSRKQWRN RQKNKRRCKN KFQPPQVPDQ APAEAPTEKT EVSPVPRTDS HEARAGALRA RMAQRLDGAR FRYLNEQLYS GPSSAAQRLF QEDPEAFLLY HRGFQSQVKK WPLQPVDRIA RDLRQRPASL VVADFGCGDC RLASSIRNPV HCFDLASLDP RVTVCDMAQV PLEDESVDVA VFCLSLMGTN IRDFLEENR VLKPGGLLKV AEVSSRFEDV RTFLRAVTKL GFKIVSKDLT NSHFFLFDFQ KTGPPPLVGPK AQLSGLQLQP CLYKRR Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	RRP8
Alternative Name:	RRP8 (RRP8 Products)
Background:	<p>Ribosomal RNA-processing protein 8 (EC 2.1.1.-) (Cerebral protein 1) (Nucleomethylin),FUNCTION: 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. {ECO:0000269 PubMed:18485871}.</p>
Molecular Weight:	50.7 kDa
UniProt:	O43159

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months