

Datasheet for ABIN7551255
RBBP5 Protein (AA 1-538) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	RBBP5
Protein Characteristics:	AA 1-538
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RBBP5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RBBP5 Protein expressed in mammalian cells.
Sequence:	<p>MNLELLESFG QNYPEEADGT LDCISMALTC TFNRWGTLLA VGCNDGRIVI WDFLTRGIAK IISAHHPVC SLCWSRDGHK LVSASTDNIV SQWDVLSGDC DQRFRRFPSPI LKVQYHPRDQ NKKVLVCPMKS APVMLTLSDS KHVVLVPVDDD SDLNVVASFD RRGEYIYTGN AKGKILVLKT DSQDLVASFR VTTGTSNTTA IKSIEFARKG SCFLINTADR IIRVYDGREI LTCGRDGEPE PMQKLQDLVN RTPWKKCCFS GDGEYIVAGS ARQHALYIWE KSIGNLVKIL HGTRGELLDD VAWHPVRPII ASISSGVVSI WAQNQVENWS AFAPDFKELD ENVEYEERES EFDIEDDKS EPEQTGADAA EDEEVDVTSV DPAAFCSSD EELEDSKALL YLPIAPEVED PEENPYGPPP DAVQTSLMDE GASSEKKRQS SADGSQPPKK KPKTTNIELQ GVPNDEVHPL LGVKGDGKSK KKQAGRPKGS KGKEKDSPFK PKLYKGDRGL PLEGSAGKGV QAELSQPLTA GGAISELL 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

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <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>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	RBBP5
Alternative Name:	RBBP5 (RBBP5 Products)
Background:	<p>Retinoblastoma-binding protein 5 (RBBP-5) (Retinoblastoma-binding protein RBQ-3),FUNCTION: In embryonic stem (ES) cells, plays a crucial role in the differentiation potential, particularly along the neural lineage, regulating gene induction and H3 'Lys-4' methylation at key developmental loci, including that mediated by retinoic acid (By similarity). Does not affect ES cell self-renewal (By similarity). Component or associated component of some histone methyltransferase complexes which regulates transcription through recruitment of those complexes to gene promoters (PubMed:19131338). As part of the MLL1/MLL complex, involved in mono-, di- and trimethylation at 'Lys-4' of histone H3 (PubMed:19556245). Histone H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation (PubMed:19556245). In association with ASH2L and WDR5, stimulates the histone methyltransferase activities of KMT2A, KMT2B, KMT2C, KMT2D, SETD1A and SETD1B</p>

Target Details

	(PubMed:22266653, PubMed:21220120). {ECO:0000250 UniProtKB:Q8BX09, ECO:0000269 PubMed:19131338, ECO:0000269 PubMed:19556245, ECO:0000269 PubMed:21220120, ECO:0000269 PubMed:22266653}.
Molecular Weight:	59.2 kDa
UniProt:	Q15291

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

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