

# Recombinant Human RRBP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RRBP1-6263H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	RRBP1 MS Standard C13 and N15-labeled recombinant protein (NP_001036041) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>This gene encodes a ribosome-binding protein of the endoplasmic reticulum (ER) membrane. Studies suggest that this gene plays a role in ER proliferation, secretory pathways and secretory cell differentiation, and mediation of ER-microtubule interactions. Alternative splicing has been observed and protein isoforms are characterized by regions of N-terminal decapeptide and C-terminal heptad repeats. Splicing of the tandem repeats results in variations in ribosome-binding affinity and secretory function. The full-length nature of variants which differ in repeat length has not been determined. Pseudogenes of this gene have been identified on chromosomes 3 and 7, and RRBP1 has been excluded as a candidate gene in the cause of Alagille syndrome, the result of a mutation in a nearby gene on chromosome 20p12.</p>
<b>Molecular Mass</b>	108.5 kDa
<b>AA Sequence</b>	MDIYDTQTLGVVVFGGFMVVSIGIFLVSTFSMKETSYEEALANQRKEMAKTHHQKV EKKKKEKTVEKKGKTKKKEEKPNGKIPDHPAPNVTLLREPVRAPAVAVAPTPVQP

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PIIVAPVATVPAMPQEKLASSPKDKKKKEKKVAKVEPAVSSVNSIQVLTSKAAILETA  
 PKEGRNTDVAQSPEAPKQEAPAKKSGSKKKGPPDADGPLYLPYKTLVSTVGSVMF  
 NEGEAQRILIEILSEKAGIIQDTWHKATQKGDVPAILKRQLEEKEKLLATEQEDAATAVAK  
 SKLRELNKEMAAEKAKAAAGEAKVKKQLVAREQEITAVQARMQASYREHVKEVQQL  
 QGKIRTLQEQLENGPNLTLARLQQENSILRDALNQATSQVESKQNAELAKLRQELSK  
 VSKELVEKSEAVRQDEQQRKALEAKAAAFQVQLQLQASHRESEEALQKRLDEVSR  
 ELCHTQSSHASLRADA EKAQEQQQMAELHSLQSSEAEVRSKCEELSGLHGQLQ  
 EARAENSQLTERIRSIEALLEAGQARDAQDVQASQAEADQQQTRLKELESQVSGLE  
 KEAIELREAVEQQKVKNNDLREKNWKAMEALATAEQACKEKLHSLTQAKEESEKQL  
 CLIEAQTMEALLALLPELSVLAQQNYTEWLQDLKEKGPTLLKHPPAPAEPSSDLASKL  
 REAETQSTLQAECQYRSILAETEGMLRDLQKSVEEEEQVWRAKVGAAEEELQKS  
 RVTVKHLEEIVEKLGKGELESSDQVREHTSHLEAELEKHMMAASAECQNYAKEVAGLR  
 QLLLESQSQLDAAKSEAQKQSDDELALVRQQLSEMKSHVEDGDIAGAPASSPEAPPA  
 EQDPVQLKTQLEWTEAILEDQTRQKLTAEFEAQTSACRLQEELEKLRTAGPLES  
 SETEEASQLKERLEKEKLTSDLGRAATRLQELLKTTQEQLAREKDTVKKLQEQLK  
 AEDGSSSKEGTSVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

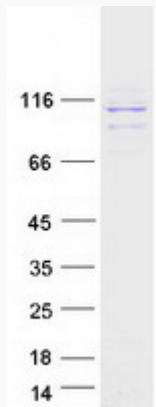
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

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<b>Gene Name</b>	RRBP1 ribosome binding protein 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	RRBP1
<b>Synonyms</b>	RRBP1; ribosome binding protein 1 homolog 180kDa (dog); ribosome binding protein 1 (dog 180kD homolog); ribosome-binding protein 1; ES/130; hES; ES/130-related protein; ribosome receptor protein; 180 kDa ribosome receptor homolog; RRp; ES130; FLJ36146; MGC157720; MGC157721; DKFZp586A1420;
<b>Gene ID</b>	6238
<b>mRNA Refseq</b>	NM_001042576
<b>Protein Refseq</b>	NP_001036041
<b>MIM</b>	601418
<b>UniProt ID</b>	Q9P2E9
<b>SDS-PAGE</b>	

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