

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

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

SPECIFICATION

Product Overview	RRBP1 MS Standard C13 and N15-labeled recombinant protein (NP_001036041) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	108.5 kDa
AA Sequence	MDIYDTQTLGVVVFGGFMVVSAGIFLVSTFSMKETSYEEALANQRKEMAKTHHQKV EKKKKEKTVEKKGKTKKKKEKPNGKIPDHPAPNVTLLREPVRAPAVAVAPTPVQP

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PIIVAPVATVPAMPQEKLASSPKDKKKKEKKVAKVEPAVSSSVNSIQVLTSKAAILETA
PKEGRNTDVAQSPEAPKQEAPAKKSGSKKKGPPDADGPLYLPYKTLVSTVGSMVF
NEGEAQRLIEILSEKAGIIQDTWHKATQKGDPVAILKRQLEEKEKLLATEQEDAATAVAK
SKLRELNKEMAAEKAKAAAGEAKVKKQLVAREQEITAVQARMQASYREHVKEVQQL
QGKIRTLQEQLENGPNNTQLARLQQENSILRDALNQATSQVESKQNAELAKLRQELSK
VSKELVEKSEAVRQDEQQRKALEAKAAAFQVLQLQASHRESEEALQKRLDEVSR
ELCHTQSSHASLRADA EKAQEQQQMAELHSLQSSAEVRSKCEELSGLHGQLQ
EARAENSQLTERIRSIEALLEAGQARDAQDVQASQAEADQQQTRLKELESQVSGLE
KEAIELREAVEQQKVKNNDLREKNWKAMEALATAEQACKEKLHSLTQAKEESEKQL
CLIEAQTM EALLALLPELSVLAQQNYTEWLQDLKEKGPTLLKHPPAPAEPSSDLASKL
REAEETQSTLQAECDQYRSILAETEGMLRDLQKSVEEEEQVWRAKVGAAEEELQKS
RVTVKHLEEIVEKLKGELESSDQVREHTSHLEAELEKHMMAASAECQNYAKEVAGLR
QLLLESQSQLDAAKSEAQKQSDDELALVRQQQLSEMKSHVEDGDIAGAPASSPEAPPA
EQDPVQLKTQLEWTEAILEDQTRQKLTAEFEQAQTSACRLQEELEKLRTAGPLES
SETEEASQLKERLEKEKKLTSDLGRAATRLQELLKTTQEQLAREKDTVKKLQEQLK
AEDGSSSKEGTSVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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Gene Name	RRBP1 ribosome binding protein 1 [Homo sapiens (human)]
Official Symbol	RRBP1
Synonyms	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;
Gene ID	6238
mRNA Refseq	NM_001042576
Protein Refseq	NP_001036041
MIM	601418
UniProt ID	Q9P2E9
SDS-PAGE	