

## **Product datasheet for RC218755L3**

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OriGene Technologies, Inc.

## RRBP1 (NM\_004587) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: RRBP1 (NM\_004587) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: RRBP1

**Synonyms:** ES/130; ES130; hES; p180; RRp

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC218755).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_004587

ORF Size: 2931 bp





## RRBP1 (NM\_004587) Human Tagged Lenti ORF Clone - RC218755L3

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 004587.1, NP 004578.1</u>

 RefSeq Size:
 3106 bp

 RefSeq ORF:
 2934 bp

 Locus ID:
 6238

 UniProt ID:
 Q9P2E9

Cytogenetics: 20p12.1

**Domains:** Rib\_recp\_KP\_reg

**Protein Families:** Druggable Genome, Transmembrane

MW: 108.5 kDa

**Gene Summary:** 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. [provided by RefSeq, Apr 2012]