

Product datasheet for RC209770L2V

OriGene Technologies, Inc.

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Y14 (RBM8A) (NM_005105) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Y14 (RBM8A) (NM_005105) Human Tagged ORF Clone Lentiviral Particle

Symbol: Y14

Synonyms: BOV-1A; BOV-1B; BOV-1C; C1DELq21.1; DEL1q21.1; MDS014; RBM8; RBM8B; TAR; Y14; ZNRP;

ZRNP1

Mammalian Cell

Selection:

None

Vector: pLenti-C-mGFP (PS100071)

Tag: mGFP

ACCN: NM_005105

ORF Size: 522 bp

ORF Nucleotide

Sequence:

The ORF insert of this clone is exactly the same as(RC209770).

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.

RefSeq: <u>NM 005105.2</u>

 RefSeq Size:
 2787 bp

 RefSeq ORF:
 525 bp

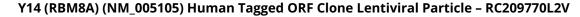
 Locus ID:
 9939

 UniProt ID:
 Q9Y5S9

Cytogenetics: 1q21.1

Domains: RRM





Protein Families: Druggable Genome

Protein Pathways: Spliceosome MW: 19.7 kDa

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Gene Summary: This gene encodes a protein with a conserved RNA-binding motif. The protein is found

predominantly in the nucleus, although it is also present in the cytoplasm. It is preferentially associated with mRNAs produced by splicing, including both nuclear mRNAs and newly exported cytoplasmic mRNAs. It is thought that the protein remains associated with spliced mRNAs as a tag to indicate where introns had been present, thus coupling pre- and postmRNA splicing events. Previously, it was thought that two genes encode this protein, RBM8A and RBM8B; it is now thought that the RBM8B locus is a pseudogene. There are two alternate translation start codons with this gene, which result in two forms of the protein. An allele mutation and a low-frequency noncoding single-nucleotide polymorphism (SNP) in this gene cause thrombocytopenia-absent radius (TAR) syndrome. [provided by RefSeq, Jul 2013]