

### Product datasheet for RC217463L1

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## ZNF521 (NM\_015461) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** ZNF521 (NM\_015461) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: ZNF521

**Synonyms:** EHZF; Evi3

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

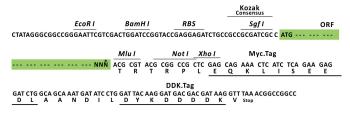
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC217463).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_015461

ORF Size: 3933 bp





#### ZNF521 (NM\_015461) Human Tagged Lenti ORF Clone - RC217463L1

**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 015461.1</u>

RefSeq Size: 4869 bp
RefSeq ORF: 3936 bp
Locus ID: 25925
UniProt ID: Q96K83
Cytogenetics: 18q11.2

Domains: zf-C2H2

**MW:** 147.7 kDa

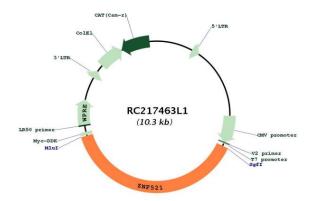
**Gene Summary:** Transcription factor that can both act as an activator or a repressor depending on the

context. Involved in BMP signaling and in the regulation of the immature compartment of the hematopoietic system. Associates with SMADs in response to BMP2 leading to activate transcription of BMP target genes. Acts as a transcriptional repressor via its interaction with EBF1, a transcription factor involved specification of B-cell lineage; this interaction preventing

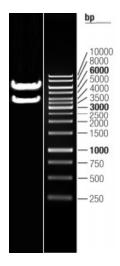
EBF1 to bind DNA and activate target genes.[UniProtKB/Swiss-Prot Function]



# **Product images:**



Circular map for RC217463L1



Double digestion of RC217463L1 using Sgfl and Mul