

Product datasheet for RC220750L4

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

ZFP161 (ZBTB14) (NM_003409) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ZFP161 (ZBTB14) (NM_003409) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: ZFP161

Synonyms: ZF5; ZFP-5; ZFP-161; ZFP161; ZNF478

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220750).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_003409

ORF Size: 1347 bp





ZFP161 (ZBTB14) (NM_003409) Human Tagged Lenti ORF Clone - RC220750L4

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 003409.4</u>

RefSeq Size: 3665 bp
RefSeq ORF: 1350 bp
Locus ID: 7541

 UniProt ID:
 O43829

 Cytogenetics:
 18p11.31

Domains: BTB, zf-C2H2

Protein Families: Transcription Factors

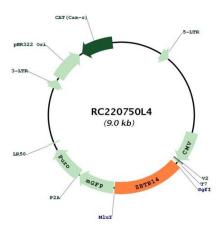
MW: 51 kDa

Gene Summary: Transcriptional activator of the dopamine transporter (DAT), binding it's promoter at the

consensus sequence 5'-CCTGCACAGTTCACGGA-3'. Binds to 5'-d(GCC)(n)-3' trinucleotide repeats in promoter regions and acts as a repressor of the FMR1 gene. Transcriptional repressor of MYC and thymidine kinase promoters.[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for RC220750L4