

Product datasheet for RC217463

ZNF521 (NM_015461) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF521 (NM_015461) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF521
Synonyms:	EHZF; Evi3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217463 representing NM_015461 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC217463 representing NM_015461
Red=Cloning site Green=Tags(s)

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Chromatograms: https://cdn.origene.com/chromatograms/mk6169_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

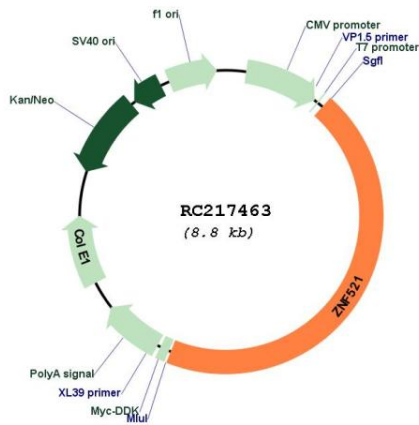


ACCN: NM_015461

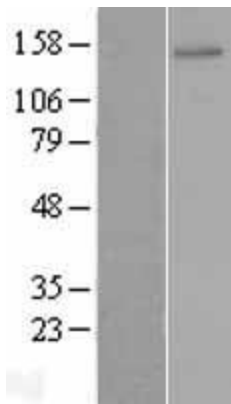
ORF Size: 3933 bp

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:	<ol style="list-style-type: none">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:	NM_015461.3
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 RC217463



Western blot validation of overexpression lysate (Cat# [LY402451]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217463 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).