

## Product datasheet for SC127365

### ZNF521 (NM\_015461) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF521 (NM_015461) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF521
Synonyms:	EHZF; Evi3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127365 sequence for NM_015461 edited (data generated by NextGen Sequencing)

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ATGTCTCGCCGCAAGCAAGCGAAACCGAGATCCCTCAAAGACCCCAACTGTAACCTTGAA
GACAAGACTGAAGATGGAGAGGCACTAGATTGTAAGAAGAGGCCGGAAGACGGGGAGGAG
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CAATTCTGTGACAAGTCGTTTAGCCGCTCAGCTACCTAAAGCACCATGAGCAGAGTCAC
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GGATTTGCAAACCTGCAGCTAAAGATAGTAATGCATTCTTTGTCCCCATTGCTATATG  
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CACCGAGAGCTCGTGCCAGACAGCAACAGCACACAGTTGAAAACGCCCAAGTATCACCA  
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CAGTGCCACCTGATAGAGCACAGCTTCGAAGGGATGGGAGGCACCTTCAAGTGTCCAGTC  
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CAAGAAGACAAGATCTATGACTGTACACAATGTCCACAGAAGTTTTTCTTCCAAAACAGAG  
CTGCAGAATCATACAATGACCCAACACAGCAGTTAG

Clone variation with respect to NM\_015461.2

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_015461 unedited  
 TGTGCAAATTTTGTATACGACTCATATAGGCGGCCGGAATTCGGCAGGAGGCTCCCTC  
 CCGCTCCCCGCGCTCTCGCCTTTAATCATGCCCTCTGTCTGTGTGAGTGCAGGCAG  
 GCTGACAAATGATTTCTCAGTGATTACGTACAGAGCGAGTCCCTGCGGGTTAGGGGCCCC  
 CTCTGGAGCCATCCTGATGGCTTTGGGGCCTTGCTTCCATTTCCATTATTATGTGGAC  
 TACCGGAGCGCAGCGCAGTCCAAGACCTTGCAGGATGTCTCGCCGCAAGCAAGCGAAAC  
 CGAGATCCCTCAAAGACCCCAACTGTAACCTTGAAGACAAGACTGAAGATGGAGAGGCAC  
 TAGATTGTAAGAAGAGGCCGGAAGACGGGGAGGAGTTGGAAGACGAAGCTGTGCACAGCT  
 GTGACAGCTGCCTCCAGGTGTTTGAATCGCTGAGCGATATCACAGAACACAAGATTAATC  
 AATGTCAACTGACAGATGGAGTGGATGTTGAAGATGATCCGACTTGCTCTTGCCAGCTT  
 CCTCACCTTCTAGCAAGGATCAGACTTCCCCTAGCCATGGAGAAGGTTGCGATTTTGGAG  
 AGGAAGAAGGTGGCCCTGGGCTTCCATACCCGTGTCAATTCTGTGACAAGTCGTTTAGCC  
 GCCTCAGTACCTAAAGCACCATGAGCAGAGTACAGTACAACTGCCTTTCAAATGCA  
 CCTACTGCAGTANGCTGTTCAAACACAAGCGCAGCCGAGATCGCCACATAAACTNCACA  
 CNNCGGGACAAGAAGTACCCTGCAAGTGAATGTGATGCTGCGTTTTCCAGAAGTATCAC  
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 TCTGTCTCTAGTTCTTACACGCCATGCAGNTCATGAGAAGAA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_015461 unedited  
 GGTAACTATGNACCGCGCCGATTCTAGGATCGAGTTTTTTTTTTTTTTTTTTTCTTGCC  
 TGAATAGGCCCAAGTCCACTTGTCTTTATAAGACCATTTTAGTATCAGACGACATAATAC  
 ATGTGCAACACTTTATATAAAGGGTCTATCCGGTGCGCAAAAGTTCAAACACATGAAC  
 ATCCAACAGTTTGATAATAAAGTTTTATGGTACAATAAATGTTTCTGAATAATATACA  
 TTAACAATGAAAGTTTCGTGCAAGAGTAAAACATGTTCCCTTTTTGTGCCACAAAATCA  
 ATTCTCCTTGAGAGACTGACTTGCACTAACTGCTGTGTTGGGTCATTGTATGATTCTGC  
 AGCTCTGTTTGAAGAAAACTTCTGTGGACATTGTGTACAGTCATAGATCTTGTCTTCT  
 TGTCCATGGGCAGAGAAAATATGCTGCTGCAACTTGTGTTGCTTGAACAAACTGTAAAG  
 CAGACTGGACACTTGAAGGTGCCTCCCCTCCCTTCGAAGCTGTGCTCTATCAGGTGGC  
 TGGAGTTTGGCAGGAGAGTCAAAGGTCTGGCTGCAGAGTTTGCATTTCATGGTTGAGTCT  
 TCATCAATCATGTGATTTGCAACATGAACCTGAATATCCCATTATTGTAGAAAACCATC  
 TGACACTTGATGCATTGATAGGTCTTCTCATCCGACTGGGAGGGACTGATTCTGGGCATT  
 GGTGATACTTGGGGCGTTTTCAACTGTGTGCTGTTGCTGTCTGGCACGAGCTCTCGGTGG  
 ATGTTTTGGATGTGGTCTTGGAGTCACCTTTCAGACTCAACTAACGTTGCAGCTAGAGC  
 AGCGTGTCTTTCAGTCCCCACCTTGCCCTTCCCCTCATGGCACTCAGATCTCATTGGNC  
 CCAGGCTGT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_015461

**Insert Size:**

4700 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:** [NM\\_015461.1](#), [NP\\_056276.1](#)

**RefSeq Size:** 4869 bp

**RefSeq ORF:** 3936 bp

**Locus ID:** 25925

**UniProt ID:** [Q96K83](#)

**Cytogenetics:** 18q11.2

**Domains:** zf-C2H2

**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]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).