

## Product datasheet for RC230672

### Smad Interacting Protein 1 (ZEB2) (NM\_001171653) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Smad Interacting Protein 1 (ZEB2) (NM_001171653) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZEB2
Synonyms:	HSPC082; SIP-1; SIP1; SMADIP1; ZFH1B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC230672 representing NM_001171653 Red=Cloning site Blue=ORF Green=Tags(s)

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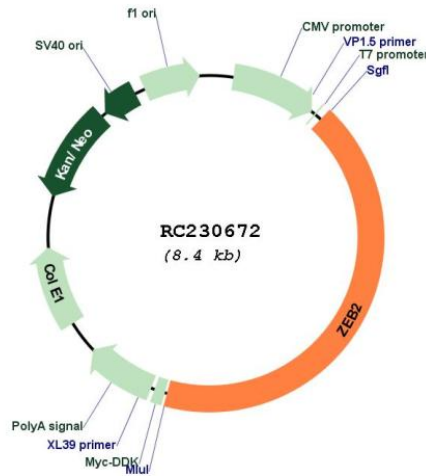
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## Plasmid Map:



ACCN: NM\_001171653

ORF Size: 3570 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:

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\\_001171653.2](#)

RefSeq ORF: 3573 bp

Locus ID: 9839

UniProt ID: [O60315](#)

Cytogenetics: 2q22.3

Protein Families: Druggable Genome, Transcription Factors

**MW:** 134.3 kDa

**Gene Summary:** The protein encoded by this gene is a member of the Zfh1 family of 2-handed zinc finger/homeodomain proteins. It is located in the nucleus and functions as a DNA-binding transcriptional repressor that interacts with activated SMADs. Mutations in this gene are associated with Hirschsprung disease/Mowat-Wilson syndrome. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Jan 2010]