

Product datasheet for SC108801

Smad Interacting Protein 1 (ZEB2) (NM_014795) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smad Interacting Protein 1 (ZEB2) (NM_014795) Human Untagged Clone
Tag:	Tag Free
Symbol:	Smad Interacting Protein 1
Synonyms:	HSPC082; SIP-1; SIP1; SMADIP1; ZFH1B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108801 sequence for NM_014795 edited (data generated by NextGen Sequencing)

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Clone variation with respect to NM_014795.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014795 unedited
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 C

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014795 unedited
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Restriction Sites:

NotI-NotI

ACCN:

NM_014795

Insert Size:

5480 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_014795.2](#), [NP_055610.1](#)

RefSeq Size: 5583 bp

RefSeq ORF: 3645 bp

Locus ID: 9839

UniProt ID: [O60315](#)

Cytogenetics: 2q22.3

Domains: homeobox, zf-C2H2

Protein Families: Druggable Genome, Transcription Factors

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]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.