

## Product datasheet for RC205006L3

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OriGene Technologies, Inc.

### TWIST2 (NM\_057179) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** TWIST2 (NM\_057179) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: TWIST2

Synonyms: AMS; BBRSAY; bHLHa39; DERMO1; FFDD3; SETLSS

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

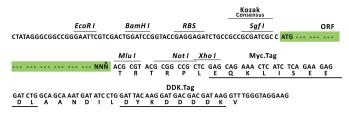
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC205006).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





st The last codon before the Stop codon of the ORF.

**ACCN:** NM\_057179

ORF Size: 480 bp





#### TWIST2 (NM\_057179) Human Tagged Lenti ORF Clone - RC205006L3

**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 057179.1</u>

 RefSeq Size:
 1186 bp

 RefSeq ORF:
 483 bp

 Locus ID:
 117581

 UniProt ID:
 Q8WVJ9

 Cytogenetics:
 2q37.3

**Protein Families:** Druggable Genome, Transcription Factors

**MW:** 18.1 kDa

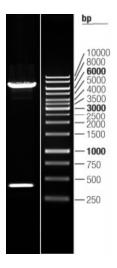
**Gene Summary:** The protein encoded by this gene is a basic helix-loop-helix type transcription factor and

shares similarity with Twist. This protein may inhibit osteoblast maturation and maintain cells in a preosteoblast phenotype during osteoblast development. This gene may be upregulated in certain cancers. Mutations in this gene cause focal facial dermal dysplasia 3, Setleis type. Two transcript variants encoding the same protein have been found. [provided by RefSeq,

Apr 2014]



# **Product images:**



Double digestion of RC205006L3 using Sgfl and Mlul  $\,$