

### **Product datasheet for RC202438L1**

# KLF5 (NM\_001730) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: KLF5 (NM 001730) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: KLF5

Synonyms: BTEB2; CKLF; IKLF

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC202438).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001730

ORF Size: 1371 bp



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#### KLF5 (NM\_001730) Human Tagged Lenti ORF Clone - RC202438L1

**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 001730.3</u>

RefSeq Size: 3350 bp RefSeq ORF: 1374 bp Locus ID: 688

UniProt ID: Q13887

Cytogenetics: 13q22.1

Domains: zf-C2H2

Protein Families: Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription

Factors

**MW:** 50.6 kDa

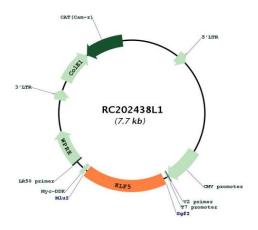
**Gene Summary:** This gene encodes a member of the Kruppel-like factor subfamily of zinc finger proteins. The

encoded protein is a transcriptional activator that binds directly to a specific recognition motif in the promoters of target genes. This protein acts downstream of multiple different signaling pathways and is regulated by post-translational modification. It may participate in both promoting and suppressing cell proliferation. Expression of this gene may be changed in a variety of different cancers and in cardiovascular disease. Alternative splicing results in

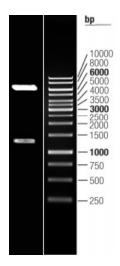
multiple transcript variants. [provided by RefSeq, Nov 2013]



## **Product images:**



Circular map for RC202438L1



Double digestion of RC202438L1 using Sgfl and Mlul