

## **Product datasheet for RC205104**

### **OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# C1orf150 (GCSAML) (NM\_145278) Human Tagged ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: C1orf150 (GCSAML) (NM 145278) Human Tagged ORF Clone

Tag: Myc-DDK
Symbol: C1orf150
Synonyms: C1orf150
Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>RC205104 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAG**GTTTAA** 

**Protein Sequence:** >RC205104 protein sequence

Red=Cloning site Green=Tags(s)

MGNYLLRKLSCLGENQKKPKKGNPDEERKRQEMTTFERKLQDQDKKSQEVSSTSNQENENGSGSEEVCYT VINHIPHQRSSLSSNDDGYENIDSLTRKVRQFRERSETEYALLRTSVSRPCSCTHEHDYEVVFPH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: <a href="https://cdn.origene.com/chromatograms/mk6426">https://cdn.origene.com/chromatograms/mk6426</a> g04.zip

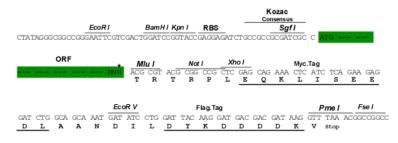
**Restriction Sites:** Sgfl-Mlul





#### **Cloning Scheme:**





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

**ACCN:** NM\_145278

ORF Size: 405 bp

**OTI Disclaimer:** 

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:customport@origene.com">customport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.

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. <u>More info</u>

**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.

### C1orf150 (GCSAML) (NM\_145278) Human Tagged ORF Clone - RC205104

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

**RefSeq:** <u>NM 145278.5</u>

 RefSeq Size:
 3863 bp

 RefSeq ORF:
 408 bp

 Locus ID:
 148823

 UniProt ID:
 Q5JQS6

 Cytogenetics:
 1q44

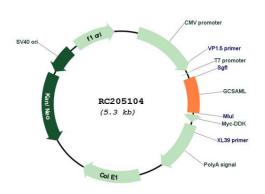
 MW:
 15.7 kDa

Gene Summary: This gene encodes a protein thought to be a signaling molecule associated with germinal

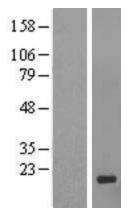
centers, the sites of proliferation and differentiation of mature B lymphocytes. Alternate

splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

### **Product images:**

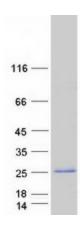


Circular map for RC205104



Western blot validation of overexpression lysate (Cat# [LY408002]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205104 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).





Coomassie blue staining of purified GCSAML protein (Cat# [TP305104]). The protein was produced from HEK293T cells transfected with GCSAML cDNA clone (Cat# RC205104) using MegaTran 2.0 (Cat# [TT210002]).