

Product datasheet for RC209846L4

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OriGene Technologies, Inc.

FOXO3 (NM_001455) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FOXO3 (NM_001455) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: FOXO3

Synonyms: AF6q21; FKHRL1; FKHRL1P2; FOXO2; FOXO3A

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC209846).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001455

ORF Size: 2019 bp





FOXO3 (NM_001455) Human Tagged Lenti ORF Clone - RC209846L4

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 001455.2</u>

 RefSeq Size:
 3338 bp

 RefSeq ORF:
 2022 bp

 Locus ID:
 2309

 UniProt ID:
 043524

Cytogenetics: 6q21

Domains: FH

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Chemokine signaling pathway, Endometrial cancer, Neurotrophin signaling pathway, Non-

small cell lung cancer

MW: 71.1 kDa

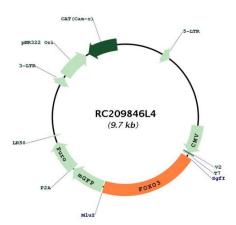
Gene Summary: This gene belongs to the forkhead family of transcription factors which are characterized by a

distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding

the same protein have been observed. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC209846L4