

## **Product datasheet for RG232281**

#### 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

## Folate Receptor 4 (IZUMO1R) (NM\_001199206) Human Tagged ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Folate Receptor 4 (IZUMO1R) (NM\_001199206) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: Folate Receptor 4

Synonyms: Folbp3; FOLR4; FR-delta; JUNO

Mammalian Cell

Selection:

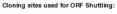
Neomycin

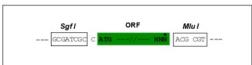
**Vector:** pCMV6-AC-GFP (PS100010)

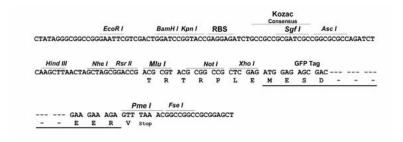
E. coli Selection: Ampicillin (100 ug/mL)

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 







**ACCN:** NM\_001199206

ORF Size: 750 bp



#### Folate Receptor 4 (IZUMO1R) (NM\_001199206) Human Tagged ORF Clone - RG232281

**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 001199206.1</u>, <u>NP 001186135.1</u>

11q21

 RefSeq Size:
 753 bp

 RefSeq ORF:
 753 bp

 Locus ID:
 390243

 UniProt ID:
 A6ND01

Cytogenetics:

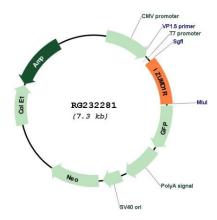
**Gene Summary:** Receptor for IZUMO1 present at the cell surface of oocytes (oolemma), which is essential for

species-specific gamete recognition and fertilization. The IZUMO1:IZUMO1R/JUNO interaction is a necessary adhesion event between sperm and egg that is required for fertilization but is not sufficient for cell fusion. The ligand-receptor interaction probably does not act as a

membrane 'fusogen'. Does not bind folate.[UniProtKB/Swiss-Prot Function]



# **Product images:**



Circular map for RG232281