

Product datasheet for RC205286L3

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com

OriGene Technologies, Inc.

EU: info-de@origene.com CN: techsupport@origene.cn

GEM (NM_181702) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: GEM (NM_181702) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: GEM

Synonyms: KIR

Mammalian Cell Puromycin

Selection:

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

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

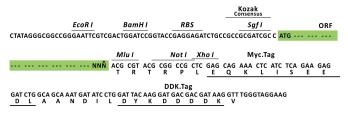
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC205286).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_181702

ORF Size: 888 bp





GEM (NM_181702) Human Tagged Lenti ORF Clone - RC205286L3

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 181702.1</u>

 RefSeq Size:
 2080 bp

 RefSeq ORF:
 891 bp

 Locus ID:
 2669

 UniProt ID:
 P55040

Protein Families: Druggable Genome

8q22.1

MW: 33.9 kDa

Cytogenetics:

Gene Summary: The protein encoded by this gene belongs to the RAD/GEM family of GTP-binding proteins. It

is associated with the inner face of the plasma membrane and could play a role as a

regulatory protein in receptor-mediated signal transduction. Alternative splicing occurs at this locus and two transcript variants encoding the same protein have been identified. [provided

by RefSeq, Jul 2008]