

Product datasheet for RC218248L4

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

OriGene Technologies, Inc.

SLIT3 (NM_003062) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SLIT3 (NM_003062) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: SLIT3

Synonyms: MEGF5; SLIL2; Slit-3; SLIT1; slit2

Mammalian Cell Puromycin

Selection:

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

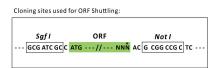
E. coli Selection: Chloramphenicol (34 ug/mL)

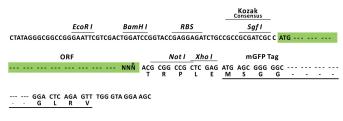
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC218248).

Sequence:

Restriction Sites: Sgfl-Notl

Cloning Scheme:





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

ACCN: NM_003062

ORF Size: 4569 bp



SLIT3 (NM_003062) Human Tagged Lenti ORF Clone - RC218248L4

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 003062.1</u>

 RefSeq Size:
 5015 bp

 RefSeq ORF:
 4572 bp

 Locus ID:
 6586

 UniProt ID:
 075094

Cytogenetics: 5q34-q35.1

Domains: LRRNT, LRRCT, LRR, LamG, EGF_CA, LRR_RI, LRR_TYP, CT, EGF, EGF, LRR_BAC, LRR_PS

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Axon guidance

MW: 167.5 kDa

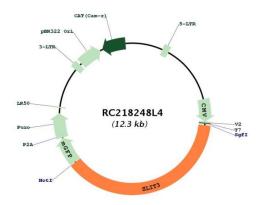
Gene Summary: The protein encoded by this gene is secreted, likely interacting with roundabout homolog

receptors to effect cell migration. Two transcript variants encoding different isoforms have

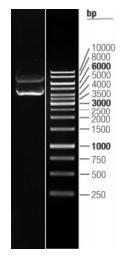
been found for this gene. [provided by RefSeq, Dec 2012]



Product images:



Circular map for RC218248L4



Double digestion of RC218248L4 using Sgfl and Notl