

Product datasheet for RC230453L3

OriGene Technologies, Inc.

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FREM1 (NM_001177704) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FREM1 (NM 001177704) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: FREM1

Synonyms: BNAR; C9orf143; C9orf154; MOTA; TILRR; TRIGNO2

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(RC230453).

Sequence:

ction Sites: Sgfl-Mlul

Restriction Sites: Cloning Scheme:





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

ACCN: NM_001177704

ORF Size: 2145 bp





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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 001177704.1</u>

 RefSeq ORF:
 2148 bp

 Locus ID:
 158326

 UniProt ID:
 Q5H8C1

 Cytogenetics:
 9p22.3

Protein Families: Protease, Transmembrane

MW: 80.7 kDa

Gene Summary: This gene encodes a basement membrane protein that may play a role in craniofacial and

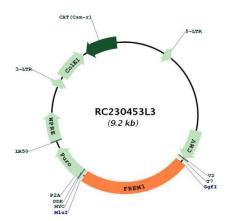
renal development. Mutations in this gene have been associated with bifid nose with or without anorectal and renal anomalies. Alternatively spliced transcript variants encoding different isoforms have been described. PubMed ID 19940113 describes one such variant that initiates transcription within a distinct, internal exon; the resulting shorter isoform (named Toll-like/interleukin-1 receptor regulator, TILRR) is suggested to be a co-receptor of the

interleukin 1 receptor family and may regulate receptor function and Toll-like receptor/interleukin 1 receptor signal transduction, contributing to the control of

inflammatory response activation. [provided by RefSeq, Apr 2011]



Product images:



Circular map for RC230453L3