

Product datasheet for RC200188L3

OriGene Technologies, Inc.

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FAM60A (SINHCAF) (NM_021238) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FAM60A (SINHCAF) (NM_021238) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: SINHCAF

Synonyms: C12orf14; FAM60A; L4; TERA

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(RC200188).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_021238

ORF Size: 663 bp





FAM60A (SINHCAF) (NM_021238) Human Tagged Lenti ORF Clone - RC200188L3

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 021238.1</u>

RefSeq Size:3130 bpRefSeq ORF:666 bpLocus ID:58516

UniProt ID: Q9NP50

Cytogenetics: 12p11.21

MW: 24.9 kDa

Gene Summary: Subunit of the Sin3 deacetylase complex (Sin3/HDAC), this subunit is important for the

repression of genes encoding components of the TGF-beta signaling pathway

(PubMed:22865885, PubMed:22984288). Core component of a SIN3A complex (composed of at least SINHCAF, SIN3A, HDAC1, SAP30, RBBP4, OGT and TET1) present in embryonic stem (ES) cells. Promotes the stability of SIN3A and its presence on chromatin and is essential for maintaining the potential of ES cells to proliferate rapidly, while ensuring a short G1-phase of the cell cycle, thereby preventing premature lineage priming (By similarity).[UniProtKB/Swiss-

Prot Function]