

Product datasheet for RC205728L3

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

FAM58A (CCNQ) (NM_152274) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FAM58A (CCNQ) (NM 152274) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: CCNQ

Synonyms: CycM; FAM58A

Mammalian Cell Puromycin

Selection:

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

Sgfl-Mlul

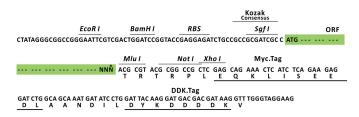
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC205728).

Sequence:

Restriction Sites: Cloning Scheme:





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

ACCN: NM_152274

ORF Size: 642 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 152274.2</u>, <u>NP 689487.1</u>

 RefSeq Size:
 1324 bp

 RefSeq ORF:
 747 bp

 Locus ID:
 92002

 UniProt ID:
 Q8N1B3

Cytogenetics: Xq28

Domains: CYCLIN, cyclin

MW: 24.9 kDa

Gene Summary: Mutations in this gene have been shown to cause an X-linked dominant STAR syndrome that

typically manifests syndactyly, telecanthus and anogenital and renal malformations. The protein encoded by this gene contains a cyclin-box-fold domain which suggests it may have a role in controlling nuclear cell division cycles. Alternative splicing results in multiple transcript

variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]