

Product datasheet for RC230653L3

OriGene Technologies, Inc.

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FAM62A (ESYT1) (NM_001184796) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FAM62A (ESYT1) (NM_001184796) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: FAM62A

Synonyms: FAM62A; MBC2

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(RC230653).

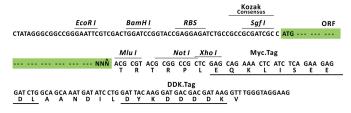
Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf 1 ORF Mlu 1

GGG ATC GC ATG ---//--- NNN ACG CGT ---



st The last codon before the Stop codon of the ORF.

ACCN: NM_001184796

ORF Size: 3342 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 001184796.1</u>, <u>NP 001171725.1</u>

 RefSeq ORF:
 3345 bp

 Locus ID:
 23344

 UniProt ID:
 Q9BSJ8

 Cytogenetics:
 12q13.2

Protein Families: Druggable Genome, Transmembrane

MW: 124.5 kDa

Gene Summary: Binds glycerophospholipids in a barrel-like domain and may play a role in cellular lipid

transport (By similarity). Binds calcium (via the C2 domains) and translocates to sites of contact between the endoplasmic reticulum and the cell membrane in response to increased cytosolic calcium levels. Helps tether the endoplasmic reticulum to the cell membrane and promotes the formation of appositions between the endoplasmic reticulum and the cell

membrane.[UniProtKB/Swiss-Prot Function]