

## Product datasheet for **SC329291**

### FAM62A (ESYT1) (NM\_001184796) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM62A (ESYT1) (NM_001184796) Human Untagged Clone
Tag:	Tag Free
Symbol:	ESYT1
Synonyms:	FAM62A; MBC2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001184796, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCGATCTCCAGGAGAGGGCCCCAGCCCCAGCCCCATGGACCAGCCCTCTGCTCCC
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 GAGCTGCTGGGAAGGTGCAGCTGGACCTAGCTGAGACAGACCTTCCCAGGGTGTAGCC  
 CGGTGGTATGACCTGATGGACAACAAGGACAAGGGCAGCTCCTAG

- Restriction Sites:** Please inquire
- ACCN:** NM\_001184796
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:** [NM\\_001184796.1](#), [NP\\_001171725.1](#)

**RefSeq Size:** 4285 bp

**RefSeq ORF:** 3345 bp

**Locus ID:** 23344

**UniProt ID:** [Q9BSJ8](#)

**Cytogenetics:** 12q13.2

**Protein Families:** Druggable Genome, Transmembrane

**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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).