

## Product datasheet for MR211619

### Esyt1 (NM\_011843) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Esyt1 (NM_011843) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Esyt1
Synonyms:	Fam62a; Mbc2; vp115
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211619 representing NM_011843 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCACTCCCCTGAAGAGGGCGCCAGCCCCGAGCCGTGAGGGCAGCCCCCTGCCACGGACTCCACGC  
GGGACGGGGGCTCCGGGTCCCACCTGCCGCCAGGTGCGGCGAGCGAGGCCCTGGCGGTGCTGACTTC  
CTTCGGGGCGCGCTTGTGGTGTGGTCCCGGTACCTGGCAGGGGCAGCGGTCTTAGCGTAGGTTTC  
GTGCTTTTCGGCCTCGCCTGTACTTGGCTGGCGCCGGTCCGCGATGGAAAGAACGGAGCCTGAGGG  
CAGCGAGGCAGCTGCTGGATGACGAGGAGCGGATCACCGCAGAGACGCTTTATATGAGCCACCGGAACT  
ACCTGCCTGGGTGAGTCCAGATGTGAAAAGGCCAATGGCTGAACAAGATCGTGGCTCAGGTGTGG  
CCCTTCCTAGGCCAGTATATGGAGAAGCTTCTGGCGGAGACAGTGGCCCCAGCTGTCCGGGAGCTAAC  
CTCATCTGCAGACATTCACATTCACACGTGTGGAGCTGGGTGAAAAGCCATTACGAATCATTGGCGTCAA  
AGTTCACCCTAGTCAGAGGAAAGATCAGATTCTGTTGGACTTGAATGTCAGCTATGTAGGTGATGTACAG  
ATTGACGTGGAGGTGAAGAAATATTTCTGCAAAGCTGGAGTCAAGGGCATGCAGCTCCATGGTGTCTTGC  
GAGTGATTCTTGAGCCACTCACAGGGGACCTTCTATCGTGGGGGCTGTGTCCATGTTCTTTATCAAACG  
CCCCGACGCTTGACATCAACTGGACAGGGATGACCAACCTGCTAGATATCCAGGACTTAGCTCACTCTCT  
GACACCATGATCATGGACTCCATTGCTGCCTTCTCGTGTCCCCTAACCGACTGTTGGTGGCCCCCTGTGC  
CCGACCTTCAAGATGTGGCCAGCTGCGGTCCCACTACCCAGGGGCAATTATCCGGATTCACCTGCTGGC  
AGCCCCAGGTCTGAGTTCCAAGGACAAGTATGTGAAAAGCCTGATTGAGGGCAAATCGGATCCCTACGCG  
CTCGTCCGTGTGGGCACCCAGACGTTCTGCAGCCGTGTCATAGATGAGGAGCTCAACCTCACTGGGGAG  
AGACATATGAGGTGATAGTCCACGAGGTTCCAGGACAGGAGATCGAGGTGGAGGTATTTGACAAAGATCC  
AGATAAAGATGATTTTCTGGGAAGAATGAAGCTGGACGTGGGAAAGGTATTACAGGCTGGAGTCTGGAT  
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ATGCAGAGAAGCTGGATCAGTCTGCAGTGAATCGGGGCATCACTTCTCGGCCAGAGCCCCCATCGGC  
TGCCATCCTCGTGTCTACTTGGACCGAGCCAGGACCTTCTCTGAAGAAAGGCAACAAGGAACCCAAC



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CCCATGGTGCAACTATCAGTTCAGGATGTGACCCGGGAGAGCAAGGCTACCTACAGCACCAACAGCCCGG  
TGTGGGAAGAGGCTTTCCGGTTTTCTGCAGGACCTCGAAGCCAGGAGCTTGATGTACAGGTGAAGGA  
CGACTCCCAGCCCTGACTTTAGGGGCCCTGACTCTCCCTCTTGCAGCCTGTTGACTGCCTCTGAACTC  
ACCCTGGACCAGTGGTCCAGCTCAGCAGCTCAGGCCAAACTCCAGGCTCTACATGAAACTGGTCATGC  
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GAGCCTAGAGACAGGCAGCAGTGTGGATGCCCCACCTCGGCCATCACACAACCCTAACAGCCACTTT  
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CCCTTCTCTCTGAGCTCCTCCAGGAGGACCAGCTCTGCCTGGACCACTGGTTTGCACTCAGTGGTCA  
GGGCCAGGTGCTGATGAGAGCGCAGCTTGGGATCCTGGTATCTCAGCACTCGGGAGTGAAGCCACAGC  
CACAGTACAGCCACAGTACAGCTCCTCCTCGCTCAATGACGAACCTGAGGCCTTAGGGGGACCCACTC  
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CAGACAAGAACCAGCAGCAAGAGGAAGACCCCGCAGAAGAAGAGGACCCCTCAATCTGAGTTCAATGA  
GCGGTTTTGAGTGGATCTGCCCTGGATGGACTCTCAGGCGGAAGCTCGATGTCTCTGTGAAGTCAAAC  
TCTCCTTTCATGTACGAGAGCGTGTGCTTCTGGGAAGGTGCAGCTGGATCTAGCAGAGATAGACCTTT  
CCCAGGTGCAGCCAGTGGTATGACCTGATGGATGACAGAGATAAGGGCGGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR211619 representing NM\_011843  
Red=Cloning site Green=Tags(s)

MEHSPEEGASPEPSGQPPATDSTRDGGSGVPPAGPGAASEALAVLTSFGRRLVLVPVYLAGAAGLSVGF  
VLFGLALYLWRRVRDVKERSLRAARQLLDDEERITAETLYMSHRELPAWVSFPDVEKAEWLNKIVAQVW  
PFLGQYMEKLLAETVAPAVRGANPHLQTFTRVELGEKPLRIIGVKVHPSQRKDQILLDLNVSYVGDVQ  
IDVEVKKYFCKAGVKMQLHGVLRVILEPLTGDLPVIGAVSMFFIKRPTLDINWGMTNLLDIPGLSSLS  
DTMIMDSIAAFLVLPNRLVPLVPDLQDVAQLRSPLPRGIIRIHLLAARGLSSKDKYVVKGLIEGKSDPYA  
LVRVGTQTFCSRVIDEELNPHWGETYEIVVHEVPGQIEVEVFDKDPDKDDFLGRMKLDVGKVLQAGVLD  
NWYPLQGGQGVHLRLEWLSLLPDAEKLDQVLQWNRGITSRPEPPSAAIILVVYLDRAQDLPLKKGKNEPN  
PMVQLSVQDVTRESKATYSTNSPVWEEAFRFFLQDPRSQELDVQKDDSRALTLGALTLPLARLLTASEL  
TLDQWFQLSSSGPNSRLYMKLVMRILYLDYSEIRFPTVPGAQDWDRESLETGSSVDAPPRPYHTTPNSHF  
GTENVLRIHVLEAQDLIAKDRFLGGLVKGKSDPYVVKLVAGKSFRTHVREDLNPRWNEVFEVIVTSIPG  
QELEIEVFDKDLKDDFLGRYKVSLLTVLNSGFLDEWL TLEDVPSGRHLHLRLERLTPRPTAAEELEVLQV  
NSLIQTQKSSSELAALLSVFLERAEDLPLRKGTKPPSPYATITVGETSHKTKTVSQSSAPVWEESASFLI  
RKPHAESLELQVRGEGTGLGSVSLPLSELLQEDQLCLDHWFALSGQGQVLMRAQLGILVSQHSVGEAHS  
HSYSHSSSSSLNDEPEALGGPHTPASPVLEVRHRLTHGDSPEAPVGPLGQVKLTVWYHSDEQKLSII  
HSCRALRQNGRDLDPYYSVLLLPDKNRSTKRKTPQKKRRLNPEFNERFEWDLPLDGTLRKRLDVSVKSN  
SSFMSRERELLGKVQLDLAEIDL SQGAAQWYDLMDRDKGGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9011\\_h06.zip](https://cdn.origene.com/chromatograms/mm9011_h06.zip)



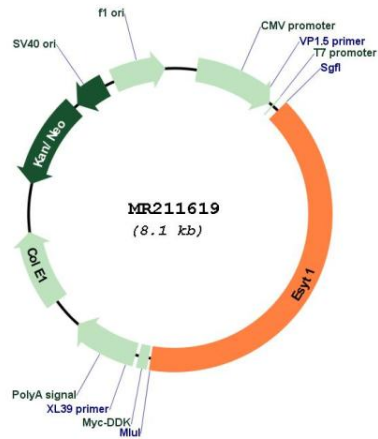
UniProt ID: [Q3U7R1](#)

Cytogenetics: 10 D3

MW: 122 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 (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR211619