

Product datasheet for **MC222451**

Esyt3 (NM_177775) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Esyt3 (NM_177775) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Esyt3
Synonyms:	D9Erttd280e; D930024E11; Fam62c; mKIAA4186
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222451 representing NM_177775
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGCCGGAGGAGCCCTGCGCCCCGAGCGCCCGCGGTCTGACGTCCCGGAGAGAGGCCAGCGCT
 CGCGGGACCCCGACCGCGCTGTGCGGCCAGCTACTGCCCGAGCTCTACAGCTTCGTGGCGCGCTCCT
 TTTCTACCTGGCACCGGTCTACCTGGCGGGCTACCTGGGGCTCAGCGTCACCTGGCTGCTGCTTGCGGCC
 CTGCTCTGGATGTGGTGGCGCCGGAACCGCGGGAAGCTGGGCGCTTGAGGCCGCCTTCGAATTCC
 TGGAGCACGAGCGGAGTTCATCAGCCGTGAGCTGCGGGCCAGCATTGCCAGCCTGGATACATTTCCC
 AGATGTGGAGCGTGTGGAGTGGGCAATAAGATCATCATACAGATCTGGCCCTACCTAAGCATGATCATG
 GAGAACAAGATCCGGGAGAAGCTGGAGCCCAAGATCCGGGAGAAGAGCATCCACCTCAGAACCTTCACCT
 TCACCAAGCTCTACTTTGGCAGAAGTGTCCAAGGTGAACGGCGTCAAGGTACACACGGACAAACGCAA
 CCGGAGGAAAGTGACCCTGGACCTGCAGATCTGCTACATCGGGGACTGTGAGATCAGCGTGAACCTCAG
 AAGATCCGGGGCGGTGTGAGCGCGTCCAGTTGCAGGGGACCCTGCGTGTCAATTCGGAGCCCTGCTGG
 TGGACAAGCCCTTCATAGGAGCTGTGACAGTGTCTTCTCCTTCAAAGCCGCACCTGCAGATTAACCTGGAC
 AGGCTTGACCAACCTGCTGGACATGCCGGGATCAATGAGTTATCAGACAGCCTGCTGGAGGACCTCATT
 GCTGCCACCTGGTGTGCCAACCGTGTGACTGTGCCTGTGAAGAAGGGGCTCGATGTAACCAACCTGC
 GCGTCCCTCTCCCTGTGGTGTGATCCGAGTCCATTTGCTGGAGGCCAAGAAGCTGGCCAGAAGGACAA
 CTTCTAGGGCTCGGAGGCAAGTCAAGCCCTACGCCAAGGTGAGCATTGGCTTGAGCATTGCCGGAGC
 AGAACCTCTACAAGAACCTGAACCCACCTGGAATGAAGTATTTGAGTTATGGTGTACGAGGTACCTG
 GGCAGGACCTGGAGGTGGACCTGTATGATGAGGATACTGACAAGGATGACTTCTGGGACGCTGCAGAT
 CTGCCCTTGAGAGTGTGATGAAGAACAGAGTGGTGGATGAGTGGTTTGCCTGAATGACACGACCAGTGGG
 CGGCTGCACCTGCGGCTGGAGTGGCTCTCACTACTCACTGACCAGGAAGCGCTGACGAGAAATGATAGTG
 GCCTCTCCACTGCCATCCTCGTGGTCTTCTTAGAGAATGCCTGCAACCTGCCGAGAAACCTTTTGACTA
 TCTGAATGGTGAATATCGAGCAAAAACTCTCCAGGTTGTCAAAAAAAGGCCAGCAGAGACCTTCT
 TCATACGTCAAGCTCACTGTAGGCAAGAAGACCTTACAAGTAAGACTTGTCCCCACAGCAAGGACCTG
 TGTGGAGCCAGGTGTTCTCCTTCTTGTGCACAGCGTGGCAGCCGAGCAGCTCTGCCTGAAGGTGCTGGA
 CGATGAGCTAGAGTGTGCTCTGGGAGTGTGGAGTTCCTTGTGCCGGATCCTCCCTGTGCTGACCTC
 ACCCTCGAACAGTCTTCCAGCTGGATCACTCAGGCTGGACAGCCTCATCTCCATGAGGCTGGTGTCTC
 GGTTCCTACGTGTGGAGGACGAGAGCTGGGAAGCCCATACACTGGACCCGACGCTCTAAAGAAAGGTCC
 TCTGTTTCAAGAAGGTGGCCACCAACAGGGTTGTAAGCCCCACCCCTAAACGAAGGCCTTGAGAT
 GTGACAAGCACCTCGAACCTGCCTTTACATCAAAGGAGCCTCAAGAGCATTGACAATATCAGCGCAG
 CCACCACAGACCTGAACCTATGCCTGAGCCCCAGGGGCCAGGCCCGGAGCCCAAGGCAAGGACAGTGC
 CAGAGGGCTCTGTGAGTCCCCTGGAAAGAAGAAGAACCCAGTACCACCTTCTGACTGTCCAGGTCTC
 CACTCTCCAGGGCCCATCAAGTACCCAGACCCATGAGCCGCCCTGCCTTCCCATTGCGATGGCCACTCA
 CGAGGGTGGCTCCAGCATGTCTCACTCAACTCCCTGGCCTCTCTCTGCTTTGACCTGACAGATGTCAG
 CCTCAACTGAAGCTGGGGATTCCAGGCAGGGACGGCTGGGTGAGATTACAGCTCACAGTGCCTATGTG
 TGTCTCCGACACTGTCTCAGAGTGTGTTCAACGGCTGCAGAACTTAACACCATGCACCAGCAGTGGAG
 CTGACCCCTACGTCCGCATCTACCTGCTGCCAGAGAGAAGATGGGCGAGTCGGAAGAAGACCTCAGTAAA
 ACAGAAGACCCTGGAGCCCTATTGATGAGACGTTTGTAGTTTTTTGTCCCATGGGAGAAGTGCAGAAG
 AGATCACTGGATGTCGACAGTAAAAACAGCAGGCTCTCGGCTCACACAGAAGGAAGGATTTGGGAAAG
 TGCTGATTGACTTATCAAAGCAAGATCTGATTAAGGGCTTCTCACAGTGGTATGAACTGACTGCAGATGG
 ACAGCCCAGAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3347_b04.zip

Restriction Sites: SgfI-MluI

ACCN:	NM_177775
Insert Size:	2676 bp
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).
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:	<ol style="list-style-type: none">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_177775.3 , NP_808443.2
RefSeq Size:	4491 bp
RefSeq ORF:	2676 bp
Locus ID:	272636
UniProt ID:	Q5DTI8
Cytogenetics:	9 51.54 cM
Gene Summary:	Tethers the endoplasmic reticulum to the cell membrane and promotes the formation of appositions between the endoplasmic reticulum and the cell membrane. Binds glycerophospholipids in a barrel-like domain and may play a role in cellular lipid transport (By similarity).[UniProtKB/Swiss-Prot Function]