

Product datasheet for **MC222052**

Esyt2 (NM_028731) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Esyt2 (NM_028731) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Esyt2
Synonyms:	2410017M09Rik; 4921504I16Rik; CHR2SYT; D12Ertd551e; Fam62b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222052 representing NM_028731
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTAGCGCGGGGGCGAGGGGCCGGAGCCGGTCCTGGCCGGCTGGGGCCGCTCCGAGCCCAGG
 CCCCGGGCAGCGCTCTGAGTGTGGACTTGCCGGGGCTGCTGGGGCAGCTGGCGCGCAGCTTCGCGCTGCT
 GCTGCCGGGTACGCCCTGGGCTACCTGGGGCTGAGCTTCAGTTGGGTGCTGCTGGCGCTCGGGCTGCTC
 GCCTGGTGCCGCCGAGCCGCGGCCCTCAAGGCCAGCCGCTGTGCCGCGCGCTGGCGCTGTTGGAGGACG
 AGGAGCAAGCTGTGCGCCTGGGAGTGCAGCCTGCGACCTGCCCGCTGGGTTCAATTTCCAGACACTGA
 AAGAGCAGAATGGCTAAATAAGACTGTAAGCACATGTGGCCCTTATTTGTGAGTTTATCGAGAAGCTC
 TTTCGAGAAACCATAGAGCCAGCTGTGCGTGGAGCAAATGCTCACCTCAGCACCTTCAGCTTCACAAAAG
 TGGATGTGGGTGAGCAGCCCTGAGAGTCAATGGTGTAAAGTTTATACTGAAAAATGAGACAAAAGACA
 AATTATCTGGACCTTCAGATTAGTTTTGTAGGAAATTTGTGAGATTGATTTGGAGATCAAAAGATATTTT
 TGTAGAGCTGGTGTGAAAAGTATTCAGATCCATGGGACAATGCGGGTGATACTGGAGCCCTGATTGGAG
 ACATGCCTTTAGTTGGAGCTTTGTCCATCTTCTCCTTAGGAAACCACTTTTAGAGATTAAGTGGACAGG
 GCTGACTAACCTTCTGGACATCCCTGGACTGAATGGTTTATCTGATACTATCATTTTGGATAAATATCA
 AACTATCTAGTGCTTCCCAATCGAATCACCGTTCTCTTGTGAGTGAAGTTCAAATAGCTCAGCTGCGGT
 TTCCCATACCAAAGGGTGTCTAAGGATCACTTTATTGAAGCTCAAGATCTTCAGGGCAAAGACACCTA
 CCTTAAAGGCTTGTCAAGGAAAATCAGACCCCTATGGAATTATCCGGGTGGGCAACCAATCTCCAG
 AGCAAAGTCATCAAAGAGAACCTTAGTCCAAAATGGAATGAAGTGTATGAGGCTTAGTGTATGAACACC
 CTGGACAAGAATTGGAGATTGAACTGTTTGTGAAAGATCCAGACAAGGATGATTTCTTAGGAAGCTTAT
 GATTGATCTTATTGAAGTTGAGAAGGAGCGCCTTTTAGATGAATGGTTCACTCTGGACGAGGTTCCCAAA
 GGAAAGCTGCATTTGAAGTTAGAGTGGCTCACACTGATGCCTGATGCTGCAAACCTTGACAAGGTGCTGG
 CAGACATCAGAGCTGACAAGGACCAAGCCAGTGTGGCCTTTCATCTGCACTGCTGATCTTGTATTTGGA
 TTCTGCAAGGAACCTTCCGTGAGGGAAGAAAATAAACAGCAACCCAAATCCTCTTGTCCAGATGTGAGTC
 GGTCAAGGCTCAAGAGAGTAAGATTCGATACAAAATAGTGAAGCTGTATGGGAGGAAAACCTCACTT
 TCTTCATTCATAACCCAGGCGCCAGGACCTTGAAGTTGAGGTTAAAGATGAGCAGCATCAGTGTCTCT
 GGGGAGCCTGAGGATCCCACTCAGTCAACTGCTTACAAGTGACAACATGACTATAAACCAGCGGTTCCAG
 CTTAGCAACTCGGTCCAAACAGCACCTTAAAAATGAAGATTGCCCTCCGGTCTCCATCTTGAAAAGC
 AAGAAAGGCTCCAGACTACCAGCATTCAGCTCAAGTGAACCGGCTCTGTCTCAAAGAAGGGAGGAA
 AATGCCTATCAAATCTCAGATGTCTGCGTGCAGGACCCGGTGGTGCCAACTGCTCCGTC AACACCA
 GTCATGGGAGTCGATGATAAGCCTGCCATGGAGGAGAAGCCCCAGCCCCCTGAGGCCAGCCCTCTCGGGC
 ATCGTGACCTAGGAGGAGCTCTCCAGCCTCTTGGCCTCTCAAAGCCACATCGCAGCCAAGGAACCCAC
 CCCAAGCATTGCCTCAGACATATCACTGCCATTGCCACTCAGGAGCTGAGACAAAGGCTACGTCAACTT
 GAAAATGGGACAACCCCTGGGACAATCTCCTCTGGGGCAGATCCAGCTGACTATCCGGCACAGCTCCCAA
 GGAATAAGCTCATCGTGGTTGTGCACTCCTGCAGAAACCTCATTGCCTTCTCGGAAGATGGCTCTGACCC
 ATATGTCCGCATGATTTATTACCAGACAAGAGACGCTCAGGAAGAAGGAAAACACATGTATCAAAGAAG
 ACATTGAACCTGTGTTGATCAGAGCTTCGACTTCAGTGTTCGCTGCCTGAGGTGCAAAGGAGAACAT
 TGGATGTGGCTGTGAAGAACAGTGGTGGCTTCTGTCCAAAGATAAAGGGCTTCTTGCAAAGTGTGGT
 GTTCTGGCATCTGAAGAAGCTCGCAAGGGCTGGACCCAGTGGTATGACCTCACAGAAGATGGGACAAGG
 CCACAGGTGATAACG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_028731
Insert Size: 2538 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_028731.5 , NP_083007.2
RefSeq Size:	5556 bp
RefSeq ORF:	2538 bp
Locus ID:	52635
UniProt ID:	Q3TZZ7
Cytogenetics:	12 62.65 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. Plays a role in FGF signaling via its role in the rapid internalization of FGFR1 that has been activated by FGF1 binding; this occurs most likely via the AP-2 complex (By similarity). [UniProtKB/Swiss-Prot Function]