

Product datasheet for **MC228347**

Syt14 (NM_001301370) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt14 (NM_001301370) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Syt14
Synonyms:	B230320I09Rik; sytXIV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228347 representing NM_001301370
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGATCGAAGGTGGAGAGAGAACCTGTGGAGTACATGAACCTATCTGTATTAGAAAAGTCTCTCCAG
 AGGCGGTTGGATTTTGTGTCAGCAGTTGGGGTGTATTATTGCTTGTGCTGCTCCTTTTCTCTATATTAA
 TAAGAAGTTCTGTTTTGAAAATGTTGGAGGGTTTCCAGATCTTGGTTCAGGATACAATACACGGACGAAT
 TCACAAGATAAAATGTATAATTCTTACATGGACAGAGATGAGCCTGGTTCATCCTCTGAAAGTGAAGATG
 AAGCACTGGGTAATATCACGAGGCCTTATCCAGAACACACAATCCAGATGGCCATTGGTAGATTCTAG
 ACAAAAAGAGCTATGCCTGGGAAACAAGGCAGAAGTACAGCCCCCTGTCTGCAGAGTACGACGGGTACAGC
 ACTGAGGCATCCATGGAGGACGGAACTGCATTACAGAGAATGAGGAGGACACCTCCGCTGGATGAGCTGC
 AGCCGCCGCTTACCAAGACGACAGCGGTTCTCCTCACCTCTCATGCACACCTCCGAAATTGGGGATGC
 CAAGTGTGAGATTTCCACTGCAGCAATAGCCCAAGGTGTTCTTCAACAAGTGGCCAGTGAAGGAAGC
 ACGGGTACAGAGGCCGAGAGCTATACAATAAAGGATATGAAGATGATGTACCTAGCGACAGCACAGCAG
 TCCTTAGCCCTGAAGACATGTCAGCTCAAGGATCCTCCTCACAGCTTCTAAACCTTTTGATCCAGAGCC
 AGAAGCTAAATATGGCACATTGGATGTGACTTTGACTATGACTCTGAAAGACAGAAGCTCCTGGTAACG
 GTGACAGCTGTACAGACATTCCAACATATAACAGGACAGGTGGCAACTCGTGGCAGGTACACCTTGTTT
 TTCTACCTATAAAAAACAGAGAGCCAAAACCAGCATCCAGAGAGGACCATGCCCTGTCTTACAGAAAAC
 ATTCAAATTAACACGTTGAATCCGAGATGATTGGAACTATGCAGTTAGGTTTAGACTATATGGTGTC
 CATCGCATGAAGAAAGAAAAGATTGTGGGGAAAAGATTTTTATTTAACAAAGTTGAATCTTCAAGGGA
 AAATGTGTTACCGGTGATACTGGAACCTTCATACAATCCTTCTGGCTGTGACTCTCAGGTGAGCTTGT
 TGAGGCATCCTGTGGTGACAGTACATCCTCCTGTCACTCTTCAACATGGCTCTGTTCCAGAAATCCTC
 ATTGGGCTCCTTTACAATGCCACCACTGGAAGACTATCAGCAGAAGTGATCAAAGGCAGCCACTTCAAAA
 ACCTGGCAGCAAACAGACCACCAATGGACTGTTCTGTTGTCTAAAACTTGATAGGTGGCAGGTTTAA
 TATAATCCGAGATACATATGTTAAGTTAACTGCTGAATTCATGGCCAAGAGATGTCCAAATGCAAG
 ACATCCACCCGACAGGGCAGCCAAATCCGGTGTACAAGGAACTTTTGTTTTCAAGTGGCCTGTTTC
 AGCTTTCTGACGTGACTCTGATACTGTGTATAACAGGCGGAGCATGAAAAGGAAGGAGATGATAGG
 CTGGATTTCTTAGGTCTAACAGCTCTGGGGAGGAGGCTCAGACACTGGACTGCAATGAAGGAGTCC
 AAGGGACAGCAAGTGTGAGGTGGCAGCAGCTGCTGGAGTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001301370
- Insert Size:** 1725 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001301370.1](#), [NP_001288299.1](#)

RefSeq Size: 7953 bp

RefSeq ORF: 1725 bp

Locus ID: 329324

Cytogenetics: 1 H6

Gene Summary: This gene encodes a member of the synaptotagmin family. The encoded protein may be involved in membrane trafficking. Disruption of a similar gene in human has been associated with autosomal recessive spinocerebellar ataxia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.