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Product datasheet for MC219027

Syt14 (NM_181546) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Syt14 (NM_181546) 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)

Fully Sequenced ORF:

>MC219027 representing NM_181546
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGATCGAAGGTGGAGAGAGAACCTGTGGAGTACATGAACTTATCTGTATTAGAAAAGTCTCTCCAG
AGGCGGTTGGATTTTTGTCAGCAGTTGGGGTGTTTATTGTCTTGATGCTGCTCCTTTTTCTCTATATTAA
TAAGAAGTTCTGTTTTGAAAATGTTGGAGGGTTTCCAGATCTTGGTTCAGGATACAATACACGGACGAAT
TCACAAGATAAAATGTATAATTCTTACATGGACAGAGATGAGCCTGGTTCATCCTCTGAAAGTGAAGATG
AAGCACTGGGTAAATATCACGAGGCCTTATCCAGAACACACAATTCCAGATGGCCATTGGTAGATTCTAG
ACAAAAGAGCTATGCCTGGGAAACAAGGCAGAAGTACAGCCCCCTGTCTGCAGAGTACGACGGGTACAGC
ACTGAGGCATCCATGGAGGACGGAAACTGCATTCAGAGAATGAGGAGGACACCTCCGCTGGATGAGCTGC
AGCCGCCGCCTTACCAAGACGACAGCGGTTCTCCTCACCTCTCATGCACACCTTCCGAAATTGGGGATGC
CAAGTGTGAGATTTCCCACTGCAGCAATAGCCCAAGGTGTTCTTTCAACAAGTGCCCCAGTGAAGGAAGC
ACGGGTCACGAGGCCGAGAGCTATCACAATAAAGGATATGAAGATGATGTACCTAGCGACAGCACAGCAG
TCCTTAGCCCTGAAGACATGTCAGCTCAAGGATCCTCCTCACAGCTTCCTAAACCTTTTGATCCAGAGCC
AGAAGCTAAATATGGCACATTGGATGTGACTTTCGACTATGACTCTGAAAGACAGAAGCTCCTGGTAACG
GTGACAGCTGTCACAGACATTCCAACATATAACAGGACAGGTGGCAACTCGTGGCAGGTACACCTTGTTC
TTCTACCTATAAAAAAACAGAGAGCCAAAACCAGCATCCAGAGAGGACCATGCCCTGTCTTCACAGAAAC
ATTCAAATTTAACCACGTTGAATCCGAGATGATTGGAAACTATGCAGTTAGGTTTAGACTATATGGTGTC
CATCGCATGAAGAAAGAAAAGATTGTGGGGGAAAAGATTTTTTATTTAACAAAGTTGAATCTTCAAGGGA
AAATGTCGTTACCGGTGATACTGGAACCTTCATACAATCCTTCTGGCTGTGACTCTCAGGTGAGCTTGTC
TGAGGCATCCTGTGGTGACAGTACATCCTCCTGTCAGTCTCTTCAACATGGCTCTGTTCCAGAAATCCTC
ATTGGGCTCCTTTACAATGCCACCACTGGAAGACTATCAGCAGAAGTGATCAAAGGCAGCCACTTCAAAA
ACCTGGCAGCAAACAGACCACCCAATACATATGTTAAGTTAACACTGCTGAATTCCATGGGCCAAGAGAT
GTCCAAATGCAAGACATCCACCCGCAGAGGGCAGCCAAATCCGGTGTACAAGGAAACTTTTGTTTTTCAA
GTGGCCTTGTTTCAGCTTTCTGACGTGACTCTGATACTGTCTGTGTATAACAGGCGGAGCATGAAAAGGA
AGGAGATGATAGGCTGGATTTCCTTAGGTCTAAACAGCTCTGGGGAGGAGGAGCTCAGACACTGGACTGC
AATGAAGGAGTCGAAGGGACAGCAAGTGTGCAGGTGGCACGCACTGCTGGAGTCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_181546

Insert Size: 1668 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:	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_181546.3, NP_853524.1
RefSeq Size:	7896 bp
RefSeq ORF:	1668 bp
Locus ID:	329324
UniProt ID:	Q7TN84
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 (2) lacks an exon in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter compared to 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.