

## Product datasheet for **MG216214**

### Syt15 (NM\_181529) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Syt15
Synonyms:	CHR10SYT; E230025K04Rik; sytXV
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG216214 representing NM\_181529  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCAGAGCAGCTGGCCTTCCTGATAGGAGGCATCATTGGAGGGCTGCTTCTGCTGATCGGAGTGAGCT  
GCTGTCTGTGGAGGAGGTTTTGCGCCACCTTCACCTATGAGGAACTGCCAGAGACGTGAGACCCGGCCAC  
CATCTCTTACTTCAGCAGAAAAGAGGACAGGCTCTACCAAGTATTCTGGGACCCACCTGGCAGGCTACCA  
AGTGTACCATTTGTGGTACCCCTTCTACCAAGTTCGAGACTGGTGCCCTACATGGTGGTGATTGGG  
CTGTGGCCCCACAGGACCCTGCCCTGTCCAGAGCACAATGGCCTGCACCTCCAGTGCCAAACCTGGAGA  
TGCATGTGAGATGGGAGCATCAACCCAGAGCTGTACAAGTCCCGGAGGACACGAGTGAGAGAGGCTTC  
CCTGATGGCTGCCTGGCCGGCTGTGGTTCTCGGTGGAGTACCAACAGGAGTCTGAGAGGCTGTGGTGG  
GCCTGATCAAGGCCAGCAACTGCAAGTCCCCTCTGAGACCTGCAGCACCTTGGTGAAGCTCCACCTGCT  
GCCTGATGAACGGCGCTTCCCTCCAGTCCAAGACCAACAAAAATTTGTAACCCACAGTTTGTGAGAAC  
TTCATCTTCCAGGTATCCAGCAAAAGTGTCAACCCAGAGAGTGTGAAGTTCCTCGTGTACCATGTAAACA  
AGAAGAGGAAGCACCAGCTCCTGGGACAGGTGCTATTCCTTGAAGAATGAGACTCTGGCAGGGGACCA  
CCACCGTATCATCTGGAGAGACCTGGAAGCTAAGAACCTGGAGCCCCCTCGGAGTTTGGTGATATCCAG  
TTCTGCCTCAGCTACAACGACTACCTGAGCCGCTGACTGTGGTCTGCTCCGAGCCAAGGGTCTCCAGC  
TCCAGGAGGACAGAAGTGTGTCAGTGTGTTTCAAGGTGTCTGATGAATCACAACAAATTCGTCAA  
GTGCAAGAGGACTTCGGCTGTACTGGGCTCCGTCAACCCTGTGTAATGAAACCTTCAGCTTCAAGGTT  
GACACCAATGAGCTGGACACCCAGCCTTAGCCTGGTGGTCTGCAGACCACAGAAGGGAACAAGAGCT  
CCCCCTGGCCCGCTGGTAGTGGGCCCTACATGTACACCCGTGGCAAAGAGCTGGAACACTGGGGGA  
GATGCTTCGAAGCCGAAGGAGCTGGTGAAGCGCTGGCACGCACTCTGCCGCCACCGAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**Protein Sequence:** >MG216214 representing NM\_181529  
 Red=Cloning site Green=Tags(s)

MAEQLAFLIGGIIGLLLLIGVSCCLWRRFCATFTYEELPETS DPATISYFSRKEDRLYQYSGT PPGRLP  
 SVPFVVPSPHQGRDWVPLHGGDWAVAPQDPCPVPEHMACTSSAKPGDACE MGSINPELYKSPEDTSETGF  
 PDGCLGRLWFSVEYQQESERLLVGLIKAQQLQVPSETCSTLVKLHLLPDERRFLQSKTKHKICNPQFDEN  
 FIFQVSSKSVTQRVLKFSVYHVNNKRRKHQLLQVLFPLKNETLAGDHHRIIWRDLEAKNLEPPSEFGDIQ  
 FCLSYNDYLSRLTVVVLRAKGLQLQEDRSVVSVFVKVSLMNHNFVKCKRTSAVLGSVNPVYNETFSFKV  
 DTNELDTASLSLVVLQTTEGNKSSPLGRVVVGPYMYTRGKELEHWGEMLRKPKELVKRWHALCRPTEP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_181529

**ORF Size:** 1254 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_181529.4](#), [NP\\_852682.1](#)

**RefSeq Size:** 3625 bp

**RefSeq ORF:** 1257 bp

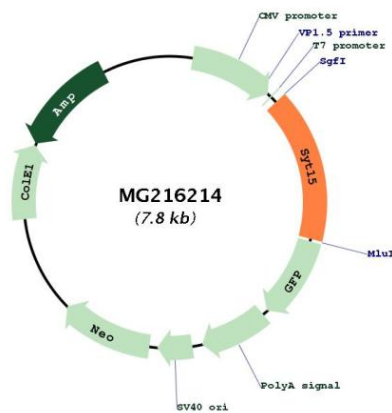
**Locus ID:** 319508

**UniProt ID:** [Q8C6N3](#)

**Cytogenetics:** 14 B

**Gene Summary:** May be involved in the trafficking and exocytosis of secretory vesicles in non-neuronal tissues. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG216214