

Product datasheet for **MR218702**

SytI5 (NM_177704) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SytI5 (NM_177704) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SytI5
Synonyms:	ENSMUSG00000054453; slp5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR218702 representing NM_177704
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTAAGAACTCGGAGTTCATCAATCTGTCATTTTTATTAGATCATGAGAAGGAAATGATACTGGGAG
 TCCTAAAGAGAGATGAATATTTGAAAAAGGTGGAAGACAAGAGGATAAGGAAGCTGAAAAATGAACTCTT
 AGAAGCAAAGCGTAGGAGTGGGAAGACTCACCAAGAGGCCAGTAGAGTCTGCGTTCACTGTCACAAAACC
 CTTGGCCTCATCTTTGACCGGGGAGATCCATGCCAAGCCTGCTCACTCAGGGTATGCAGTGAGTGTGAG
 TCACCGGACTTGATGGCAGCTGGAAGTGCAGTGTCTGTGCCAAAGTCGCGCAGCTAAGGATTATAAGTGG
 AGAATGGTTCTTGAAGAAAAGGCAAAGCGTTTCAAGCAAGTCAATGTTCTGGGCACTGATGTCGTTTCA
 CAGTCCATCTTAAGAAGAAGTCCAGGGTCTGAAGAAACACAAAACCAAGAGCAAGCACAAATGTGTAG
 ACAAGTCAGATACTTTGTCTTGTGTCAGGCAGAAGACAACCTCATGATGGCCAAAAGAAGAAGGGTTTTCT
 TCTTAGCAAGTTCAGATCAGCAACCAGAGGAGAAATCAGAACTCCAAAACCTGAAAGCGGAAGGAGCTAT
 AGCTTGGACTTAGACAGTCAAAAATCTTCAGAGTTTCAAGTCAGCCTCTGGTTTCAGACAGGGGAAGTACCA
 CTTTCATCAGATCTCATTGACCAGGAGGCTGGACGAAGAACATCAAAAAGCAGCTACAGCAACGGTGGAAAT
 CCCAGTACTCAGAGGTCACCAAGTCCCAAGTGCATAGTGTGACCTCCATCAACAGCAGAGAACATGGT
 TTTGAAAATCCATGGCTTTGGCTACCATTGAAAACACCTGTGAAGAGCTCACAAAGAGTCACCGCAGAA
 ACACATCCGGTACACCCTCCATAGCGGTGTCTGGCACCTCACTCTCCTCAGAGCGGAGTCGATCTGAGGT
 AGATTTGAGTGAGTCATTTGCGGAAGACTTAGAGGACACTTCAAGCATAAGAAGCAGATCTGTCCCTGGG
 GCTTTAGACAAAGACTTGAACCTCTTGAAGACACTGAAGACGGTGTGACTTAGTGTCTCCAGGTTTTT
 CTGCAAAATACCCACAGTCTGGCAAGTGGATTGTCAACTAACTCCCAAGCAGGATCTGATAGGAAGAGGAG
 CTACCTAAATGTGCCTGATGCCGATTGACACACTACTAGCCTAACAGCATGATGAGTGTTCACAGTGAA
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 GCGGGCTATACATTTTTGTCAAGAGCTGCAGAAACCTGGCCACAGGAGATGAAAAGAAAACAGAGGACAGA
 TGCTTATGTCAAGTCATACCTTCTTCCAGACAAGTCCCGAAAACAACAGCGTAAGACCAAAATCAGAACG
 GGTACCAATCCAGAATCAACGAAACATTAAGTATACCATCAGCCACACCCAGCTGAAACAAGAACTC
 TGCAGCTCTCAGTCTGGCACTATGATCGGTTTGGACGCAACAGTTTCTGGGAGAGGTGGAGATTGCTTT
 TGACTCATGGAACCTTTGAAAATCCATGTGATGAGTGGTTTGTGCTTCAGCCGAAGGTGGAGTTGGCTCCT
 GATATTAGCCTTCAATACAAAGGAGAGCTAACCATTGTTTTGCGTTATATTCCTCCAGAGGAGAACCTAA
 TATTTCCAGCAGGACAGCGTCAAGAAAAGAAGATCTTTAAAAGGGGAAAAGAAGAAAGAGTCACTTCCAT
 TTCTGGGGGAATACTTGAAGTGTTCATCAAAAAGCAAAGAATCTGACAGCAGTAAAATCAGGAGGCACT
 TCTGACAGCTTCGTCAAGGGCTACCTGCTTCTGATGATAACAAAGCCACCAAGCACAAAACCTGCTGTTG
 TAAAAAGAGTGTCAATCCTGAGTGGAAACCATACGTTCAATTCAGTGGCCTGTATCCTCAGGATATAAA
 GAATGCTTGCCTAGAACTCACCATCTGGGACAAAGAGGCCTTTTCCAGCAACGCTTTTCTAGGAGGTGTT
 CGTTTAAATCTGGAAGTGGTATGAGCTACGGTAAAACGTGGACTGGATGGACTCTCATGGGGAAGAGC
 AACGCCTTTGGCAAAGATGGCTGACAACCTGGGACATCTGTAGAGGGGTTTCTCATGCTACGTTCCAG
 CATGGCGAAATGTAGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218702 representing NM_177704
 Red=Cloning site Green=Tags(s)

MSKNSEFINLSFLLDHEKEMILGVLKRDEYLKKVEDKRIKRLKNELLEAKRRSGKTHQEASRVCVHCHKTLGLIFDRGDPCQACSLRVCSECRVTGLDGSWKCTVCAKVAQLRIISGEWFLEEKAKRFKQVNVLGTDVVRQSLRRLSPGSEETQNQEQAQQCVDKSDTLSSVRQKTTTHDGPKKKGFLLSKFRSATRGEIRTPKPESGRSYSLDLDSQNLQSFKSASGSDRGSTTSSDLIDQEAGRRTSKSSYSNGGIPVTQRSPVPSAHSVTSINSREHGFENSMALATIENICEELTKSHRRNTSGTPSIAVSGTSLSSERSRSEVDLSEFAEDLEDTSSIRRSVPGALDKDLNSLEDTEDGVDLVSSRFSANTHSLASGLSTNSQAGSDRKRSYLNVPDADSDTTLNSMMSVYSETGDYGNVKVTGEILLHISYCYKTGGYIFVKSCRNLATGDEKKQRTDAYVKSYPKSRNNKRKTKIRTGTNPEFNETLKYIISHTQLETRTLQLSVWHYDRFGRNSFLGEVEIAFDSWNFENPCDEWFLQPKVELAPDISLQYKGETIVLRYIPPEENLIFPAGQRQEKIFKRGKKKSSISGGILEVFIKKAKNLTAVKSGTSDSFVKGYLLPDDNKATKHKTAVVKKSVNPEWNHTFIFSGLYPQDIKNACLELTIDWKEAFSSNVFLGGVRLNSGSGMSYGTKVDWMDSHGEEQRLWQKMDNPGTSGVEGLMLRSMMAKCRLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9092_e08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177704

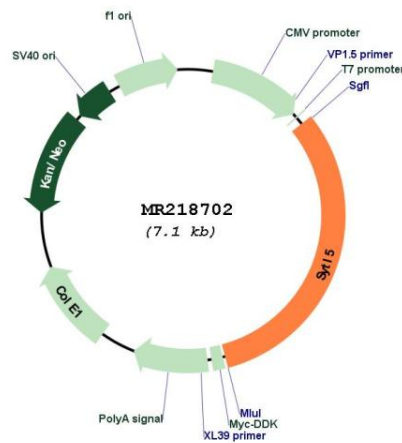
ORF Size: 2259 bp

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:	<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:	<u>NM_177704.3, NP_808372.1</u>
RefSeq Size:	6623 bp
RefSeq ORF:	2262 bp
Locus ID:	236643
UniProt ID:	<u>Q80T23</u>
Cytogenetics:	X A1.1
MW:	84.1 kDa
Gene Summary:	May act as Rab effector protein and play a role in vesicle trafficking. Binds phospholipids (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218702