

Product datasheet for **RC202628**

SYT17 (NM_016524) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYT17 (NM_016524) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SYT17
Synonyms:	Syt-17; sytXVII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC202628 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCGTACATCCAGTTGGAACCATTAACGAGGGTTTTCTTTCTAGAATCTCTGGTCTGCTGCTGTGCA
 GATGGACCTGCCGCACTGCTGTGAGAAGTGCTACGAGTCCAGCTGTTGCCAGTCAAGTGAGGATGAAGT
 TGAAATTTCTGGGACCTTTCCCTGCTCAGACCCCTCCCTGGCTGATGGCCAGCCGAGCAGTGACAAGGAT
 GGTGACTCTGTCCACACGGCCAGCGAAGTCCCGCTGACCCACGGACCAATCCCCGGATGGAAGACGCT
 CGTCTCAGACACATCAAGTCTACATACAGCCTGACGCGGAGGATTCGAGTCTTGAGTCAAGACGTCC
 CAGCTCTCCACTCATCGATATTAACCCATCGAGTTTGGCGTTCTCAGCGCCAAGAAGGAGCCCATCAA
 CCTTCGGTGCTCAGACGGACCTATAACCCGACGACTATTCAGGAAGTTCGAACCCACCTGTACTCCC
 TCGACTCCAACAGCGACGATGTGGACTCTCTGACAGACGAGGAGATCCTGTCCAAGTACCAGCTGGGCAT
 GCTGCACTTCAGCACTCAGTACGACCTGCTGCACAACCACCTCACCGTGGTGTGATCGAGGCCAGGGAC
 CTGCCACCTCCCATCTCCACGATGGCTCGCGCCAGGACATGGCGCACTCCAACCCCTACGTCAAGATCT
 GTCTCCTGCCAGACCAGAAGAACTCAAAGCAGACCGGGGTCAAACGCAAGACCCAGAAGCCCGTGTTTGA
 GGAGCGCTACACCTTCGAGATCCCCTTCTGGAGGCCAGAGGAGGACCTGCTCCTGACCGTGGTGGAT
 TTTGATAAGTTCTCCCGCACTGTGTCATTGGGAAAGTTTCTGTGCCTTTGTGTGAAGTTGACCTGGTCA
 AGGGCGGGCACTGGTGGAAGGCGCTGATCCCAGTTCTCAGAATGAAGTGGAGCTGGGGGAGCTGCTTCT
 GTCATGAATTATCTCCAAGTCTGGCAGACTGAATGTTGATGTCATTTCGAGCCAAGCAACTTCTTCAG
 ACAGATGTGAGCCAAGGTTGAGACCCCTTTGTGAAAATCCAGCTGGTGCATGGACTCAAAGTTGTAAAA
 CCAAGAAGACGTCCTTCTTAAGGGGCACAATTGATCCTTTCTACAATGAATCCTTCAGCTCAAAGTTCC
 CCAAGAAGAACTGGAAAATGCCAGCCTAGTGTTTACAGTTTTCGGCCACAACATGAAGAGCAGCAATGAC
 TTCATCGGGAGGATCGTCATTGGCCAGTACTCTTCAGGCCCTCTGAGACCAACCACTGGAGGCGCATGC
 TCAACACGCACCGCACAGCCGTGGAGCAGTGGCATAGCCTGAGGTCCCGAGCTGAGTGTGACCGCGTGTC
 TCCTGCCTCCCTGGAGGTGACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202628 protein sequence
 Red=Cloning site Green=Tags(s)

MAYIQLEPLNEGFLSRISGLLLCRWTCRHCCQKCYESSCCQSSSEDEVEILGPFPQTPPWLMASRSSDKD
 GDSVHTASEVPLTPRTNSPDGRRSSSDTSKSTYSLTRRISSLESRRPSSPLIDIKPIEFGLVLSAKKEPIQ
 PSVLRRTYNPDDYFRKFEPHLYSLDSNSDDVDSLDEEILSKYQLGMLHFSTQYDLLHNHLLTVRVIEARD
 LPPPISHDGSRQDMAHSNPYVKICLLPDQKNSKQTGVKRTQKPVFEERYTFEIPFLEAQRRTLLLTVD
 FDKFSRHCVIGKVSPLCEVDLVKGGHWWKALIPSSQNEVELGELLLSLNYLPSAGRLNVDVIRAKQLLQ
 TDVSQGSDFVKIQLVHGLKLVKTKTSFLRGIDPFYNESFSFKVPQEELNASLVFTVFHNMKSSND
 FIGRIVIGQYSSGPSETNHWRRMLNTHRTAVEQWHSLSRAECDRVSPASLEVT

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

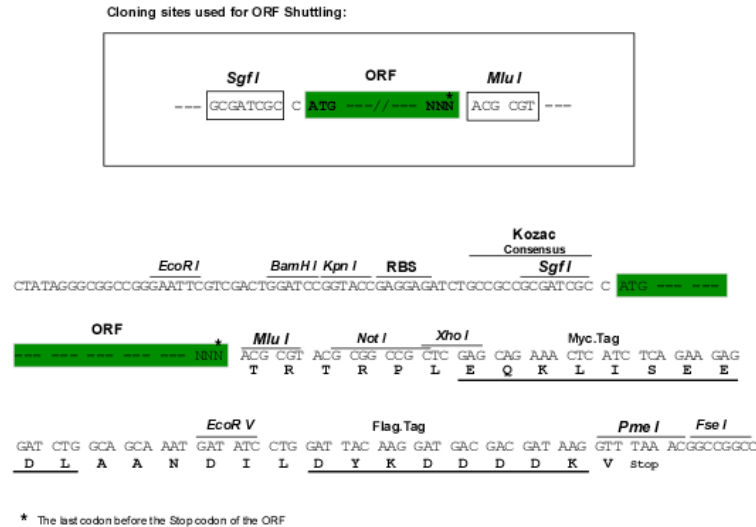
Chromatograms:

https://cdn.origene.com/chromatograms/mk6391_h06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_016524

ORF Size: 1422 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_016524.4](#)

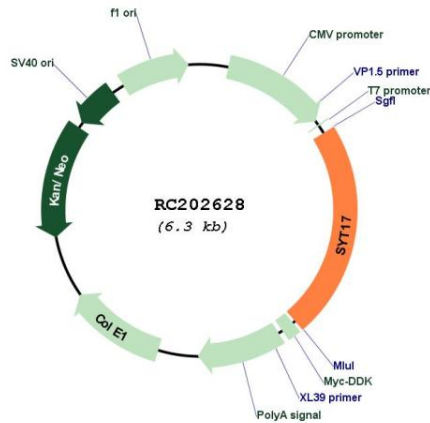
RefSeq Size: 1912 bp

RefSeq ORF: 1425 bp

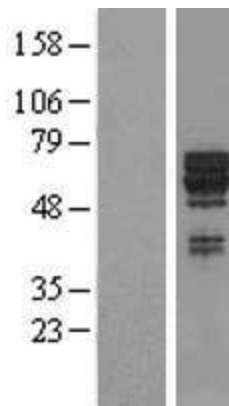
Locus ID: 51760

UniProt ID:	<u>Q9BSW7</u>
Cytogenetics:	16p12.3
Domains:	C2
MW:	53.8 kDa
Gene Summary:	Plays a role in dendrite formation by melanocytes (PubMed:23999003).[UniProtKB/Swiss-Prot Function]

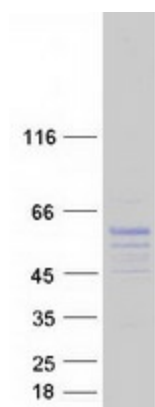
Product images:



Circular map for RC202628



Western blot validation of overexpression lysate (Cat# [LY413891]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202628 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SYT17 protein (Cat# [TP302628]). The protein was produced from HEK293T cells transfected with SYT17 cDNA clone (Cat# RC202628) using MegaTran 2.0 (Cat# [TT210002]).