

Product datasheet for **RC215998**

SYTL5 (NM_138780) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SYTL5 (NM_138780) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SYTL5
Synonyms:	slp5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC215998 representing NM_138780
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGCTAAGAAGCTCAGAGTTCATCAATCTGTCATTTTATTAGATCATGAGAAGGAAATGATCCTGGGCG
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Protein Sequence: >RC215998 representing NM_138780
 Red=Cloning site Green=Tags(s)

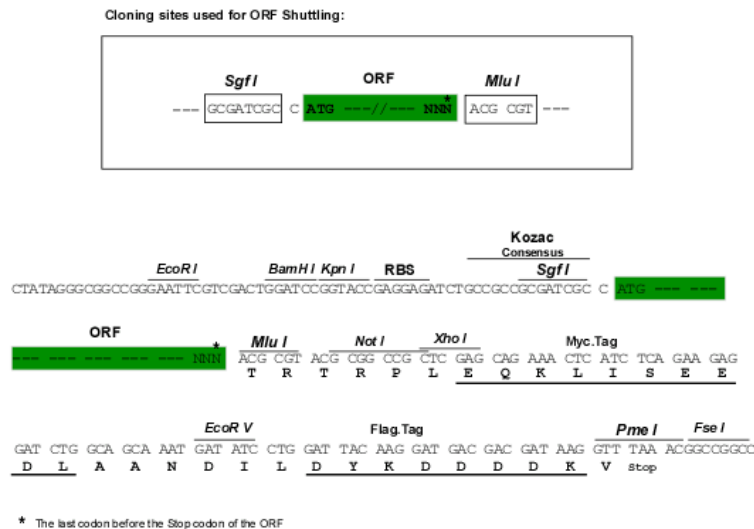
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 ALDKDSLSEETESIDALVSSQLSTNTHRLASGLSTTSLNSMMSVYSETGDYGNVKVSGEILLHISYCYKT
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 QRLWQKMANNPGTPFEGVLMRLSSMGKCR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8021_c11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138780

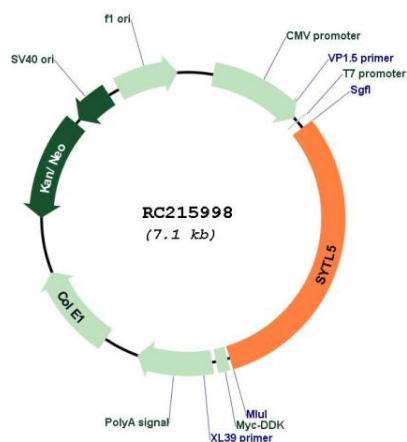
ORF Size: 2190 bp

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](#)

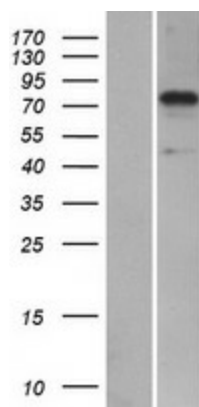
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_138780.3</u>
RefSeq Size:	2193 bp
RefSeq ORF:	2193 bp
Locus ID:	94122
UniProt ID:	<u>Q8TDW5</u>
Cytogenetics:	Xp11.4
MW:	81.3 kDa
Gene Summary:	The protein encoded by this gene belongs to the synaptotagmin-like (Slp) protein family, which contains a unique homology domain at the N-terminus, referred to as the Slp homology domain (SHD). The SHD functions as a binding site for Rab27A, which plays a role in protein transport. Expression of this gene is restricted to placenta and liver, suggesting that it might be involved in Rab27A-dependent membrane trafficking in specific tissues. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]

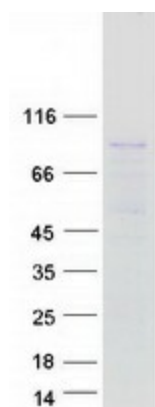
Product images:



Circular map for RC215998



Western blot validation of overexpression lysate (Cat# [LY408519]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215998 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SYTL5 protein (Cat# [TP315998]). The protein was produced from HEK293T cells transfected with SYTL5 cDNA clone (Cat# RC215998) using MegaTran 2.0 (Cat# [TT210002]).