

## Product datasheet for **SC116037**

### **YKT6 (NM\_006555) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	YKT6 (NM_006555) Human Untagged Clone
Tag:	Tag Free
Symbol:	YKT6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116037 sequence for NM_006555 edited (data generated by NextGen Sequencing)

```
ATGAAGCTGTACAGCCTCAGCGTCCTCTACAAAGGCGAGGCCAAGGTGGTGCTGCTCAA  
GCCGCATACGATGTGTCTTCCTTCAGCTTTTTCCAGAGATCCAGCGTTCAGGAATTCATG  
ACCTTCACGAGTCAACTGATTGTGGAGCGCTCATCGAAAGGCACTAGAGCTTCTGTCAA  
GAACAAGACTATCTGTGCCACGTCTACGTCCGGAATGATAGTCTTGCAAGGTGTGGTCATT  
GCTGACAATGAATACCCATCCCGGGTGGCCTTTACCTTGCTGGAGAAGGTAAGTAGATGAA  
TTCTCCAAGCAAGTCGACAGGATAGACTGGCCAGTAGGATCCCCTGCTACAATCCATTAC  
CCAGCCCTGGATGGTCACCTCAGTAGATACCAGAACCACGAGAAGCTGATCCCATGACT  
AAAGTGCAGGCCGAACTAGATGAGACAAAATCATTCTGCACAACACCATGGAGTCTCTG  
TTAGAGCGAGGTGAGAAGCTAGATGACTTGGTGTCCAAATCCGAGGTGCTGGGAACACAG  
TCTAAAGCCTTCTATAAACTGCCGGAACAAAACACTCATGCTGTGCCATCATGTGA
```

Clone variation with respect to NM\_006555.3



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_006555 unedited</p> <pre> ATTTTGTAAATACGACTTCACTATAGGGCGGCGGATTCCGGCACGAGGCGGTGGCCCCGT CAGCAGCCGGCTGCTGAGAGGCCGTTAGGCGGGCGGTCGCCAGGGGGCGGCGGCCGCGC TGCTCCCTGAGAACGGTCCCAGCTGGGCGAGGCGGGCGGCTGAGGGCGGGAGCCAT GAAGCTGTACAGCCTCAGCGTCTCTACAAAGGCGAGGCCAAGGTGGTGTCTCAAAGC CGCATACGATGTGTCTTCTTCCAGCTTTTCCAGAGATCCAGCGTTCAGGAATTCATGAC CTTCACGAGTCACTGATTGTGGAGCGCTCATCGAAAGGCACTAGAGCTTCTGTCAAAGA ACAAGACTATCTGTGCCAGTCTACGTCCGGAATGATAGTCTTGCAGGTGTGGTCATTGC TGACAATGAATACCCATCCCGGGTGGCCTTTACCTTGCTGGAGAAGGTAAGTAGATGAATT CTCCAAGCAAGTCGACAGGATAGACTGGCCAGTAGGATCCCTGTACAATCCATTACCC AGCCCTGGATGGTCACCTCAGTAGATACCAGAACCACGAGAAGCTGATCCCATGACTAA AGTGCAGGCCGAAGTAGATGAGACCAAAATCATTCTGCACAACACCATGGAGTCTCTGTT AGAGCGAGGTGAGAAGCTAGATGACTTGGTGTCCAAATCCGAGGTGCTGGGAACACAGTC TAAAGCCTTCTATAAAACTGCCCGAAACAAAACACTCATGTGTGCCATCATGTGATGCAG CCTGCCAGAAGCCCAATGCTGGAATGGCACCATCATTACATCAGAACTGCAGCCCTGG GAAAGAAGAGACGCCATAGACGAGGAGCCAGAGTGGGGGCGAGCTGGCCATTNNTATTN TGAAAGTCTGCGAAAATGGATGGTGGAAAGNTGCNAAATGTCAAATCATATGTGTGTAG TGATTCTTGAAGAATTGAGGTCCCAAGGTGNATTTTGGNCAATN </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_006555 unedited</p> <pre> TGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAATTTCAAACAAC TTTATCCAGACAGGCGCTCTCAAATAGAACACAGGGAAGTTAGGCAGCAGTTACTAAAA TACAGTCTCGCCAAATGATTTACAACAGAACACAACAGGAGCAGGGGATCTGTGGTGGG GCTGGGCTGGCCCTCTATCTCACAGGGCCTGAGTCAAGCCAGCCCGCCCTGCAAGGCA GGGCTGACCTGCAAGCGGAGATCTCACTTCTCTTACCCCAAATTCATACCTCCATTTTC CCCGCCCCATCTCTCCCGAGGTCCTCAAGTGGGAAAGGGAGAGGTAGCATCCCTCGGA TCCAGGCCCACTCCACTCCGCTCTCCGGCACAGTGGGCGAGGCTGAGTCTGGGCTCAAGG GGCCCTGGGCTTAGGGTATCTATGGCAGTAGGAAAATGACATGGACAGGCTCTTCAGGGG TAGGCTAAAGTCTCTGGCCAGCAGTACCCAGAGAAAATGGGCAGCAGCAGGTAACCCAG CCAGGAGGTGGAGTCTCTGAACCCACAGCAGACCCACCCTCTGCCAGCCCCCTGCC ACATTGGGGTTCAGGACCACTGAGACTCTGGTCAGGACAGTGGGTCTCTCAGCAGTGTG GCAAGCTCAGAGCAGAGCTCCCAAGGACCATAACCACTGGTTCCANAACCCATAGGTGAC ACCATCCAGCAGAAGCTTCCATGGGTGCTGGATCCCGAGGCTGCATCCTGAGCAGAGGT GGGCGAGCTGGAAACATACACTANGACCCNAGGGATCCAGACATTTTANGCCCATCTCT GGGCTGTNCAGCCTGTTGCCATGACTTTGGCAGTGAGTGGGCCCTCTGCCAGTGGCAG GNCACAGCTTTAAACCAAACCCTTGGNCTNCCNCTCTGA </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006555
<b>Insert Size:</b>	2680 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_006555.3](#), [NP\\_006546.1](#)

**RefSeq Size:** 2783 bp

**RefSeq ORF:** 597 bp

**Locus ID:** 10652

**UniProt ID:** [O15498](#)

**Cytogenetics:** 7p13

**Domains:** synaptobrevin

**Protein Pathways:** SNARE interactions in vesicular transport

**Gene Summary:** This gene product is one of the SNARE recognition molecules implicated in vesicular transport between secretory compartments. It is a membrane associated, isoprenylated protein that functions at the endoplasmic reticulum-Golgi transport step. This protein is highly conserved from yeast to human and can functionally complement the loss of the yeast homolog in the yeast secretory pathway. [provided by RefSeq, Jul 2008]