

YKT6 cDNA

Catalog Number: ATGD0042

PRODUCT INFORMATION

Catalog number

ATGD0042

Product type

cDNA

Species

Human

NCBI Accession No.

NP_006546.1

Alternative Names

mRNA Refseq

NM_006555.3

OMIM

606209

Chromosome location

7p15.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

597bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

YKT6 is one of the SNARE recognition molecules implicated in vesicular transport between secretory

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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.

DATA

Sequence nucleotides

```
ATGAAGCTGT ACAGCCTCAG CGTCCTCTAC AAAGGCGAGG CCAAGGTGGT GCTGCTCAA A GCCGCATACG
ATGTGTCTTC CTCAGCTTT TTCCAGAGAT CCAGCGTTCA GGAATTCATG ACCTTCACGA GTCAACTGAT
TGTGGAGCGC TCATCGAAAG GCACTAGAGC TTCTGTCAA GAACAAGACT ATCTGTGCCA CGTCTACGTC
CGGAATGATA GTCTTGCAGG TGTGGTCATT GCTGACAATG AATACCCATC CCGGGTGGCC TTTACCTTGC
TGGAGAAGGT ACTAGATGAA TTCTCCAAGC AAGTCGACAG GATAGACTGG CCAGTAGGAT CCCCTGCTAC
AATCCATTAC CCAGCCCTGG ATGGTCACCT CAGTAGATAC CAGAACCCAC GAGAAGCTGA TCCCATGACT
AAAGTGCAGG CCGAACTAGA TGAGACCAA ATCATTCTGC ACAACACCAT GGAGTCTCTG TTAGAGCGAG
GTGAGAAGCT AGATGACTTG GTGTCCAAAT CCGAGGTGCT GGGAACACAG TCTAAAGCCT TCTATAAAAC
TGCCCGGAAA CAAAACATCAT GCTGTGCCAT CATGTGA
```

Transaction Sequence

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MKLYSLSVLY KGEAKVLLK AAYDVSSFSF FQRSSVQEFM TFTSQLIVER SSKGTRASVK EQDYLCHVYV RNDSLAGVVI
ADNEYPSRVA FTLLEKVLDE FSKQVDRIDW PVGSPATIH Y PALDGHLSRY QNPREADPMT KVQAELEDETK IILHNTMESL
LERGEKLDDL VSKSEVLGTQ SKAFYKTARK QNSCCAIM
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