

CHMP4A cDNA

Catalog Number: ATGD0199

PRODUCT INFORMATION

Catalog number

ATGD0199

Product type

cDNA

Species

Human

NCBI Accession No.

NP_054888.2

Alternative Names

C14orf123, CHMP4, CHMP4B, HSPC134, SHAX2, SNF7, SNF7-1, VPS32-1, VPS32A

mRNA Refseq

NM_014169.3

OMIM

610051

Chromosome location

14q12

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

798bp

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

CHMP4A cDNA

Catalog Number: ATGD0199

CHMP4A belongs to the chromatin-modifying protein/charged multivesicular body protein (CHMP) family. CHMP4A are components of ESCRT-III (endosomal sorting complex required for transport III), a complex involved in degradation of surface receptor proteins and formation of endocytic multivesicular bodies (MVBs). Some CHMPs have both nuclear and cytoplasmic/vesicular distributions, and one such CHMP, CHMP1A (MIM 164010), is required for both MVB formation and regulation of cell cycle progression

DATA

Sequence nucleotides

```
ATGTCGCGGGCGGCCCTGAGGACGGATTGGGCAAGGCTGGTCCCTGTGTGATGAGACATCACCTCCCAGGAGCAAGGC
GGAAGTCTGGAGGACGCTGAGGGGCGGAGGCGGGAGAGGCGAGCTCGCGATGAGTGGTCTCGGCAGGCTCTTCGGGAA
GGGAAGAAGGAGAAAAGGGCCAACCCCTGAAGAAGCAATACAGAACTGAAGGAGACAGAGAAGATACTGATCAAGAAAC
AGGAATTTTTGGAGCAGAAGATTCAACAGGAGCTACAAACAGCCAAGAAGTATGGGACCAAGAATAAGAGAGCTGCCCTAC
AGGCTTTGCGGAGGAAGAAAAGATTGCAACAGCAGCTGGCACAACTGACGGGACATTATCCACCCTGGAGTTTCAGCGTG
AGGCCATTGAGAATGCCACTACCAATGCAGAAGTCCTTCGTACCATGGAGCTTGCTGCCCAAAGCATGAAGAAGGCCTACC
AGGACATGGACATTGACAAGGTAGATGAACTGATGACTGACATCACGGAACAACAGGAGGTGGCCCAGCAGATCTCAGAT
GCCATTTCTCGGCCTATGGGCTTTGGAGATGATGTGGATGAGGATGAACTGCTGGAGGAGCTAGAGGAGCTGGAGCAGGA
GGAATTGGCCCAGGAGTTGTTAAATGTGGGCGACAAGGAAGAAGAACCCCTCAGTCAAATTGCCTAGTGTACCTTCTACTCAT
CTGCCGCGCAGGGCCAGCTCCCAAAGTGGATGAAGATGAAGAAGCACTAAAGCAGTTGGCTGAGTGGGTATCCTGA
```

Transaction Sequence

```
MSRRRPEDGL GKAGPCVMRH HPPRSKAEVW RTLRGGGGRG ELAMSLGRL FGKKGKEKGPTPEEAIQKLK ETEKILIKQ
EFLEQIQQE LQTAKKYGTK NKRAALQALR RKKRFEQQLAQTDGTLSTLE FQREAIENAT TNAEVLRTME LAAQSMKKAY
QDMDIDKVE LMTDITEQQEVAQQISDAIS RPMGFGDDVD EDELLEEELE LEQEELAQEL LNVGDKEEEP
SVKLPSVPSTHLPAGPAPKV DEDEEALKQL AEWVS
```