

CAPZA3 cDNA

Catalog Number: ATGD0495

PRODUCT INFORMATION

Catalog number

ATGD0495

Product type

cDNA

Species

Human

NCBI Accession No.

NP_201585.1

Alternative Names

CAPPA3, Gsg3

mRNA Refseq

NM_033328.2

OMIM

608722

Chromosome location

12p12.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

900bp

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 BamH 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

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CAPZA3 encodes an actin capping protein, one of the F-actin capping protein alpha subunit family. It is predominantly localized to the neck region of ejaculated sperm, other immunohistochemical signals were found in the tail and postacrosomal regions. CAPZA3 may also form heterodimers of alpha and beta subunits.

DATA

Sequence nucleotides

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ATGACACTTAGCGTGCTGAGCAGGAAGGACAAGGAAAGAGTAATTCGCAGACTGTTATTACAGGCCCTCCAGGGGAATTT
GTAAATGCCTTTGATGATCTCTGTCTGCTTATCCGTGATGAAAACTTATGCACCACCAAGGTGAGTGTGCAGGCCACCAAC
ACTGCCAAAAATATTCTGTACCACTCTGCATCGATGGAAATCCAGTACTCTTGTCTCACCACAATGTAATGGGCGACTACCGA
TTTTTTGACCATCAAAGCAAACCTTTCTTTCAAATATGACCTGCTTCAAATCAGCTGAAAGACATCCAAAGTCATGGTATCATT
CAGAATGAGGCAGAATACCTGAGAGTTGTTCTTCTGTGCGCCTTAAACTGTATGTGAATGACCACTATCCAAAAGGAAATT
GCAACATGCTGAGAAAACTGTCAAAAGTAAGGAGTACTTGATAGCTTGCATTGAAGATCACAACATGAAACAGGAGAGTG
CTGGAACGGACTTTGGAAATCTAAATGGATTTTCCAAGTTAACCCTTTCTAACCCAAGTAACGGGAAGAATATTTGTGCAAG
CTCACTTCTTCAGGTGTGTCAACCTTCATATTGAAATATCCAAGGACCTGAAAGAAAGCTTGAAATAGTTAACCAAGCTCAA
CTGGCTCTAAGTTTTGCAAGGCTTGTGGAAGAGCAAGAGAACAATTTCAAGCTGCAGTCTTGGAAGAATTACAGGAGTTAT
CCAATGAAGCCCTGAGAAAAATTCTACGAAGGGATCTCCAGTGACCCGCACTCTTATTGACTGGCACAGGATACTCTCTGA
CTTGAATCTGGTGATGTATCCTAAATTAGGATATGTCATTTATTCAAGAAGTGTGTTGTGCAACTGGATAATATAA
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Transaction Sequence

```
MTLSVLSRKD KERVIRLLL QAPPGFVNA FDDLCLLIRD EKLMMHQGEC AGHQHCQKYSVPLCIDGNPV LLSHHNVMGD
YRFFDHQSKL SFKYDLLQEQ LKDIQSHGII QNEAEYLRVLLCALKLYVN DHYPKGNCNM LRKTVKSKEY LIACIEDHNY
ETGECWNLW KSKWIFQVNPFLTQVTGRIF VQAHFFRCVN LHIEISKDLK ESLEIVNQAQ LALSFARLVE
EQENKFQAAVLEELQELSNE ALRKILRRDL PVTRTLIDWH RILSDLNLVM YPKLGYVIYS RSVLCNWII
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