

UFSP1 cDNA

Catalog Number: ATGD0357

PRODUCT INFORMATION

Catalog number

ATGD0357

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001015072.2

Alternative Names

UFSP

mRNA Refseq

NM_001015072.3

OMIM

611481

Chromosome location

7q22.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

429bp

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

UFSP1 cDNA

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UFSP1 is a protein that is similar to other Ufm1-specific proteases. Studies in mouse determined that Ufsp1 releases Ufm1 (ubiquitin-fold modifier 1) from its bound conjugated complexes which also makes it into an active form.

DATA

Sequence nucleotides

```
ATGGGCGACAAGCCCCCGGCTTCCGGGGCTCCCGGGACTGGATCGGCTGCGTGGAGGCCAGCCTCTGCCTCGCTCACTT
CGGAGGGCCCCAGGGACGCCTCTGCCACGTACCCCGGGGAGTGGGGCTGCACGGGGAGCTGGAGAGGCTTTACTCGCAC
TTCGCAGGGGGTGGGGGCCAGTCATGTTGGGGGGGACGCAGATGCCAGGTCCAAGGCCTTGCTGGGAGTCTGCGTAG
GGTCAGGCACGGAAGCCTATGTCCTGGTATTGGACCCTCACTACTGGGGCACTCCAAAAAGCCCCAGTGAAGTACAGGCTG
CTGGGTGGGTGGGCTGGCAAGAGGTGAGTGCAGCCTTTGACCCCAACTCCTTCTACAACCTGTGCTTGACCAGCCTTAGCT
CCCAACAGCAGCAGCGCACCTTGGACTGA
```

Transaction Sequence

```
MGDKPPGFRG SRDWIGCVEA SLCLAHFGGP QGRLCHVPRG VGLHGELERL YSHFAGGGGP VMVGGDADAR
SKALLGVCVG SGTEAYVLVL DPHYWGTPKS PSELQAAGWV GWQEVSAFD PNSFYNLCLT SLSSQQQRT LD
```