

TYW5 cDNA

Catalog Number: ATGD0356

PRODUCT INFORMATION

Catalog number

ATGD0356

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001034782.1

Alternative Names

C2orf60, hTYW5

mRNA Refseq

NM_001039693.2

OMIM**Chromosome location**

2q33.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

939bp

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 Hind III. 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

TYW5 (TRNA-YW Synthesizing Protein 5) acts as a component of the wybutosine biosynthesis pathway. It

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catalyzes the hydroxylation of 7- (a-amino-a-carboxypropyl) wyosine (yW-72) into undermodified hydroxywybutosine (OHyW).

DATA

Sequence nucleotides

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ATGGCCGGGCAGCACCTCCCGGTACCCCGGCTGGAGGGCGTTTCTCGGGAGCAGTTCATGCAGCACCTCTACCCACAGAG
AAACCTCTTGTGTTGGAAGGGATTGATTTGGGGCCATGTACAAGCAAATGGACAGTGGATTACCTAAGCCAAGTTGGAGG
GAAGAAAGAAGTAAAGATTCATGTTGCTGCAGTTGCACAGATGGACTTCATTAGTAAGAACTTTGTATATAGAAGTTTACCTT
TTGACCAGTTGGTCCAGAGGGCAGCTGAAGAGAAACATAAAGAATTCTTTGTTTCAGAGGATGAGAAATACTACTTACGGTC
ACTTGGAGAAGACCCTAGAAAGGATGTTGCAGATATCAGAAAGCAGTTTCCTTTGTTGAAAGGAGATATTAAGTTTCCAGAA
TTCTTCAAAGAGGAACAGTTCTTTTCCAGTGTTTTTCGAATTAGTTCACCAGGATTACAACCTATGGACTCATTATGATGTAATG
GATAATTTGTTAATACAAGTGACAGGAAAAAAGCGTGTTGTAAGTCTTCAGTCCCTCGAGATGCCAGTATTTATATTTAAAAGG
TACTAAATCAGAAGTACTGAATATAGATAACCCAGACTTGGCTAAATATCCACTTTTTTCCAAGGCTAGAAGATATGAATGTT
CCCTTGAAGCTGGTGATGTATTATTCATTCCTGCTTTATGGTTCCATAATGTAATTTCTGAAGAGTTTGGAGTGGGAGTGAAT
ATCTTTTGAAGCACCTTCCATCTGAATGCTATGATAAAACAGATACCTATGGAAACAAAGATCCTACAGCAGCATCAAGAG
CTGCACAAATTCTGGACAGAGCCTTGAAAACACTGGCCGAGTTACCAGAGGAATATAGGGACTTCTATGCACGACGAATGG
TCCTACACATTCAAGACAAAGCCTACAGCAAGAAGCTCTGAGTAA
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Transaction Sequence

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MAGQHLPVPR LEGVSREQFM QHLYPQRKPL VLEGIDLGPC TSKWTVDYLS QVGGKKEVKI HVAAVAQMDF ISKNFVYRTL
PFDQLVQRAA EEKHKEFFVS EDEKYLRSL GEDPRKDVAD IRKQFPLLKG DIKFPEFFKE EQFFSSVFRI SSPGLQLWTH
YDVMDNLLIQ VTGKKRVVLF SPRDAQYLYL KGTKSEVLNI DNPDLAKYPL FSKARRYECS LEAGDVLFIPL ALWFHNVISE
EFGVGVNIFW KHLPSECYDK TDTYGNKDPT AASRAAQILD RALKTLAELP EEYRDFYARR MVLHIQDKAY SKNSE
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