

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

ATGGCCGGGCAGCACCTCCCGGTACCCCGGCTGGAGGGCGTTTCTCGGGAGCAGTTCATGCAGCACCTCTACCCACAGAG
 AAAACCTCTTGTGTTGGAAGGGATTGATTTGGGGCCATGTACAAGCAAATGGACAGTGGATTACCTAAGCCAAGTTGGAGG
 GAAGAAAGAAGTAAAGATTCATGTTGCTGCAGTTGCACAGATGGACTTCATTAGTAAGAACTTTGTATATAGAAGTTTACCTT
 TTGACCAGTTGGTCCAGAGGGCAGCTGAAGAGAAACATAAAGAATTCTTTGTTTCAGAGGATGAGAAATACTACTTACGGTC
 ACTTGGAGAAGACCCTAGAAAGGATGTTGCAGATATCAGAAAGCAGTTTCCTTTGTTGAAAGGAGATATTAAGTTTCCAGAA
 TTCTTCAAAGAGGAACAGTTCTTTTCCAGTGTTTTTCGAATTAGTTCACCAGGATTACAACCTATGGACTCATTATGATGTAATG
 GATAATTTGTTAATACAAGTGACAGGAAAAAAGCGTGTTGTAAGTCTTCAGTCCCTCGAGATGCCAGTATTTATATTTAAAAGG
 TACTAAATCAGAAGTACTGAATATAGATAACCCAGACTTGGCTAAATATCCACTTTTTTCCAAGGCTAGAAGATATGAATGTT
 CCCTTGAAGCTGGTGATGTATTATTCATTCTGCTTTATGGTTCCATAATGTAATTTCTGAAGAGTTTGGAGTGGGAGTGAAT
 ATCTTTTGGAAGCACCTTCCATCTGAATGCTATGATAAAACAGATACCTATGGAAACAAAGATCCTACAGCAGCATCAAGAG
 CTGCACAAATTCTGGACAGAGCCTTGAAAACACTGGCCGAGTTACCAGAGGAATATAGGGACTTCTATGCACGACGAATGG
 TCCTACACATTCAAGACAAAGCCTACAGCAAGAACTCTGAGTAA

Transaction Sequence

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